

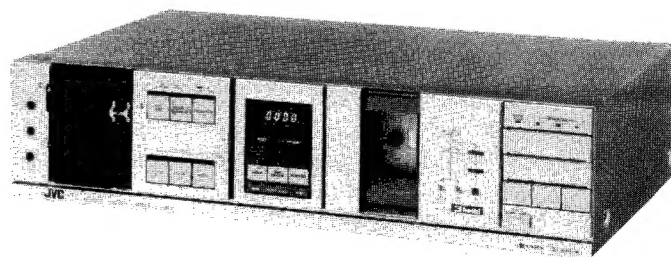
# JVC

# SERVICE MANUAL

MODEL

**KD-D55 A/B/C/E/J/U**

STEREO CASSETTE DECK



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## Specifications

|                     |   |                   |   |
|---------------------|---|-------------------|---|
| Type                | : Stereo cassette deck  | Heads             | : METAPERM head for record x 1<br>METAPERM head for playback x 1<br>2-Gap ferrite head for erasing x 1                      |
| Track system        | : 4-track, 2-channel  | Motor             | : Electric governed DC motor  |
| Tape speed          | : 1-7/8 inch/sec<br>(4.8 cm/sec)  | Fast forward time | : 110 sec. with C-60 cassette   |
| Frequency response  | : (-20 dB recording)<br>Metal tape: *1<br>30 - 18,000 Hz ( $\pm 3$ dB)<br>20 - 20,000 Hz<br>CrO <sub>2</sub> tape: *2<br>30 - 18,000 Hz ( $\pm 3$ dB)<br>20 - 20,000 Hz<br>Normal tape: *3<br>30 - 17,000 Hz ( $\pm 3$ dB)<br>20 - 19,000 Hz<br>(0 dB recording)<br>Metal tape:<br>30 - 12,500 Hz ( $\pm 3$ dB)<br>CrO <sub>2</sub> tape:<br>30 - 8,000 Hz ( $\pm 3$ dB)<br>Normal tape:<br>30 - 8,000 Hz ( $\pm 3$ dB) | Rewind time       | : 110 sec. with C-60 cassette   |
| Note: *1            | : JVC ME or Equivalent  | Input terminals   | :   |
| *2                  | : TDK SA or Equivalent  | Mic jack x 2      | : Max. sensitivity; 0.2 mV<br>(-74 dBV)<br>Matching impedance;<br>600 $\Omega$ - 10 k $\Omega$                              |
| *3                  | : MAXELL UD or Equivalent   | Input jack x 2    | : Min. input level; 80 mV<br>Input impedance; 50 k $\Omega$   |
| S/N ratio           | : 58 dB (S = 1 kHz, K3 = 3 %, N = A-weighted, Metal tape)<br>The S/N is improved by about 15 dB at 500 Hz and by max. 20 dB at 1 kHz ~ 10 kHz with DOLBY C NR on and improved by 5 dB at 1 kHz and by 10 dB at above 5 kHz with ANRS/DOLBY B NR on.   | Output terminals  | :   |
| Improvement of MOL  | : 4 dB at 10 kHz with DOLBY C NR on.  | Output jack x 2   | : Output level; 0 - 500 mV<br>Output impedance; 6 k $\Omega$  |
| Wow and flutter     | : 0.05 % (WRMS)<br>0.17 % (DIN 45 500)<br>(with MAXELL UD tape)   | Phones jack x 1   | : Output level;<br>0 - 0.6 mW/8 $\Omega$<br>Matching impedance;<br>8 $\Omega$ - 1 k $\Omega$                                |
| Crosstalk           | : 60 dB (1 kHz)   | Power requirement | : AC 240/220/120 V, 50/60 Hz<br>(KD-D55A/B/E)<br>AC 120 V, 60 Hz<br>(KD-D55C/J)<br>AC 240/220/120/100 V, 50/60 Hz (KD-D55U) |
| Harmonic distortion | : K3; 0.5 % THD; 1.0 %<br>(Metal tape, 1 kHz 0 VU)  | Power consumption | : 16 W  |
| Channel separation  | : 40 dB (1 kHz)   | Dimensions        | : 17-1/8" (435 mm) W<br>4-5/16" (109 mm) H<br>11-3/8" (288 mm) D<br>(with feet, buttons, switches)                          |
|                     |   | Weight            | : 10.4 lbs (4.7 kg)   |
|                     |   | Accessories       | : pin cords . . . . . 2   |

Design and specifications subject to change without notice.

## Features

1. Three-head system enables monitoring of the signals immediately after they have been recorded
  - Independent recording, playback and erase heads
2. Four-way digital counter
  - Displays remaining time
  - Shows the tune selected in music scanning
  - Works as a stopwatch showing the elapsed time in recording and playback
  - Works as a four-digit tape counter with memory function
3. Dolby\* C Noise Reduction System (Single Dolby NR circuit)
  - Dolby B/ANRS and Dolby C selectable
  - Incorporates multiplex filter
4. Multi Music Scan mechanism
  - Up to 20 tunes can be skipped

"Under license of Staar S.A., Brussels Belgium".
5. Counter memory mechanism enables replay between any 2 points
6. Record muting facility
7. Timer start mechanism
8. Two-color LED peak level indicator
9. Full-logic tape control mechanism
10. Output level control

## Controls and Connections

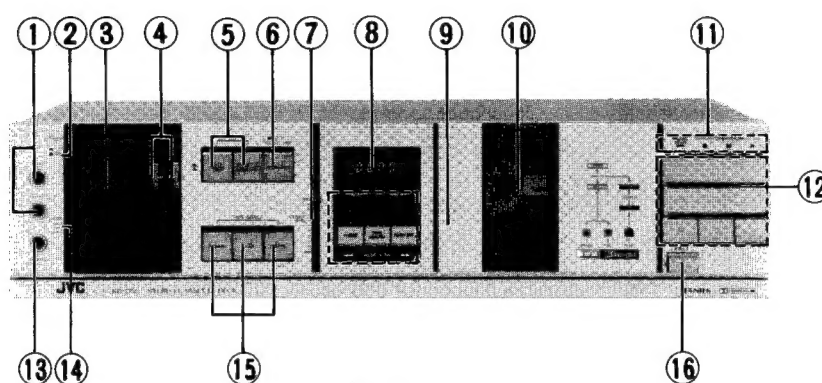


Fig. 1

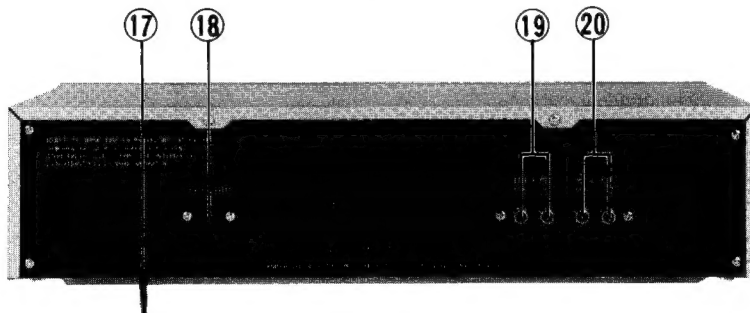
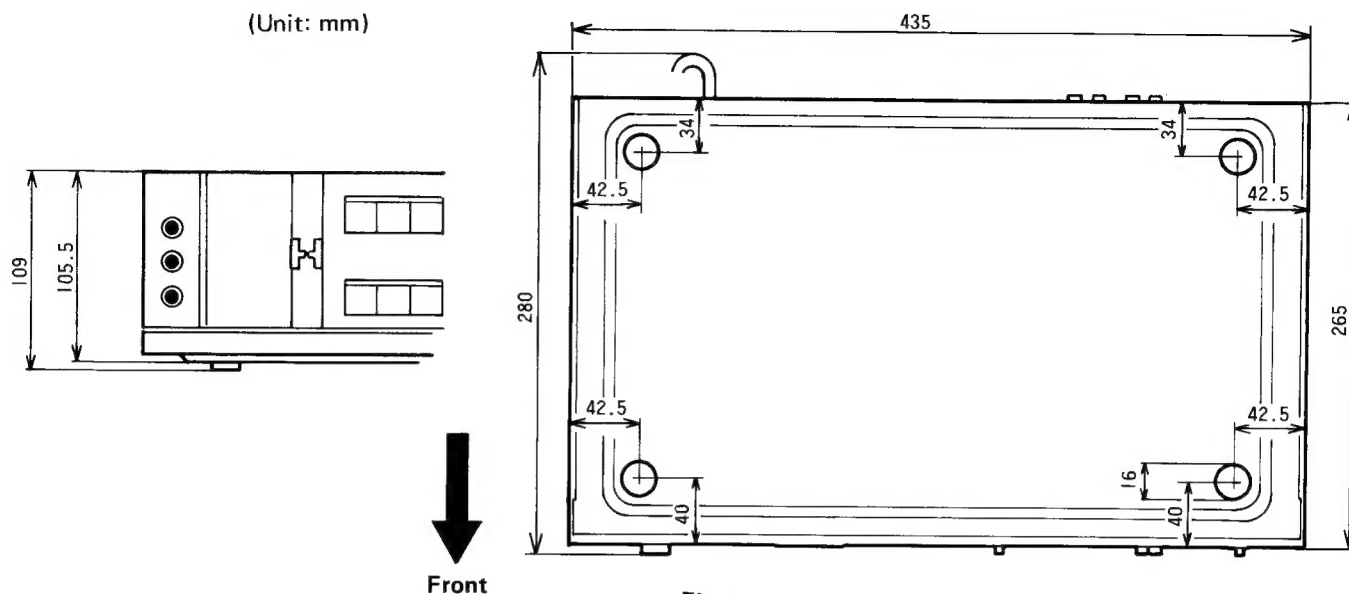


Fig. 2

- |   |   |
|---|---|
| 1. Microphone jacks [MIC - Left, Right]                     | 11. Indicators (Music scan, Recording, Pause, Playback)   |
| 2. POWER switch   | 12. Mechanical operation buttons                          |
| 3. PEAK LEVEL indicators                                    | ◀◀ Rewind button  |
| 4. INPUT LEVEL controls                                     | ▶▶ Fast forward button                                    |
| 5. NR SYSTEM switches [ ON / OFF , DOLBY C / ANRS/DOLBY B ] | ■ Stop button   |
| 6. MONITOR switch   | ▶ Playback button   |
| 7. OUTPUT LEVEL control                                     | ○ Recording button  |
| 8. 4-way digital counter                                    | Pause button  |
| 9. Counter buttons  | ● Music scan button                                       |
| RESET   | 13. Headphone jack [PHONES]                               |
| MEMORY  | 14. TIMER switch  |
| MODE (STOP WATCH, REMAINING TIME, COUNTER)                  | 15. TAPE SELECT switches [NORM, CrO <sub>2</sub> , METAL] |
| TAPE LENGTH (C-46L, C-120, C-90, C-60/46)                   | 16. EJECT button  |
| SCAN SET (P-1 ----- P-20)                                   | 17. Power cord  |
| MUSIC SCAN  | 18. VOLTAGE SELECT switch                                 |
| 10. Cassette holder   | 19. LINE IN (REC) terminals                               |
|   | 20. LINE OUT (PLAY) terminals                             |

## Dimensions


(Unit: mm)



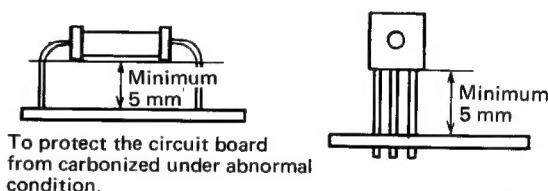
**Fig. 3**

## Safety Precautions

**⚠ Safety mark**

Safety is very important with this unit. When replacing the parts marked  , be sure to use only those designated parts. The designated resistors, diodes, transistors become hot in use. When replacing, be sure to secure them with a distance of more than 5 mm from the circuit board. In addition, they are banded together to avoid touching other wiring, recheck this point as well after repair.

The wiring of the primary side should be wound more than one and half times, then soldered.



**Fig. 4**

## Maintenance

To get long, trouble-free service, maintenance is important. Do not forget cleaning and demagnetizing.

## Cleaning

After long use, the heads and tape part — capstan, pinch roller, etc. — will become dirty with dust or magnetic particles. Dirty heads cause imperfect erasing or high frequency drop-off. A dirty capstan and pinch roller will cause unstable tape speed, leading to increased wow and flutter. Always keep them clean by following the procedure below.

## 1. Heads

Use the head cleaning stick provided to wipe the surface where the tape comes into contact with the head.  
(It is effective to moisten the cotton with alcohol.)

## 2. Pinch roller and capstan

Do the same method as heads.

### 3. Cabinet

When the cabinet becomes dirty, wipe it with a soft cloth soaked with a neutral cleaning solution of a polishing cloth.

\* Do not use thinner or benzine.

## Demagnetizing

The heads are made from a material resistant to magnetization, but after long use they become magnetized.

A magnet brought into their vicinity can magnetize the heads, causing excess noise. If noise seems to have increased, demagnetize the heads with a head demagnetizer through the following procedure.

1. Turn the POWER switch OFF.
2. Wrap the tip of the demagnetizer with vinyl tape or soft cloth so as not to damage the head surface. Switch on the demagnetizer and bring it close to the head.
3. Move the tip of the demagnetizer slowly first to the left and right, then up and down in front of the head. Gradually move it away from the head and switch it off at a distance of more than 30 cm (12").
4. The erase head need not be demagnetized. The capstan shaft and tape guide should be demagnetized in the same way as the record/playback head.

\* Do not bring a magnetized metallic object (a screw driver, for example) near the head as this will increase noise.

## Main Parts Location

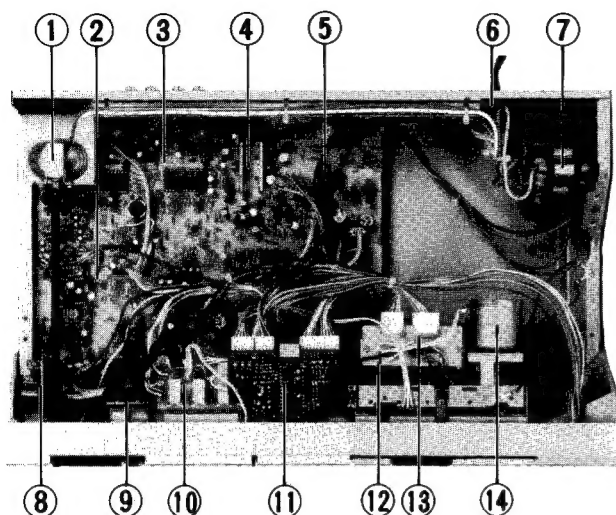


Fig. 5

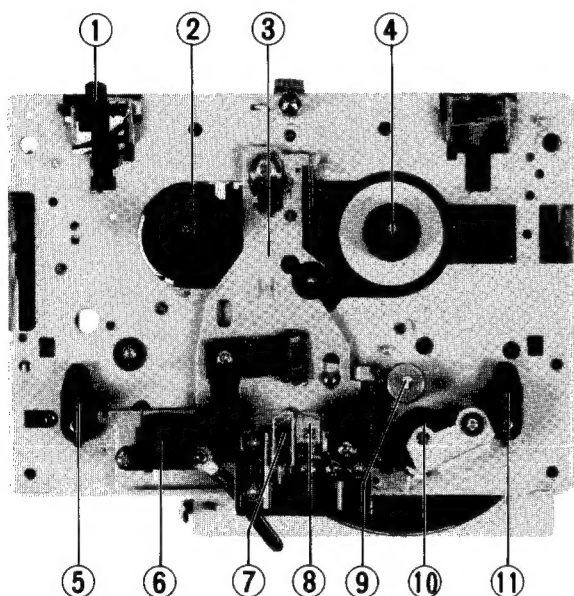


Fig. 6

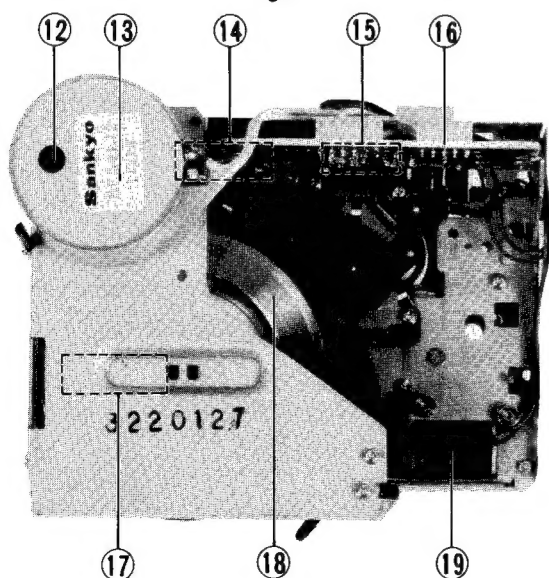


Fig. 7

1. Power switch
2. Remote bar (for power switch)
3. Pin jacks ass'y
4. Power transistor
5. Main amplifier P.W.B. ass'y
6. Strain relief (for power cord)
7. Power transformer
8. Microphone and headphone jacks P.W.B. ass'y
9. Input level control P.W.B.
10. Switches P.W.B.
11. 4-digit counter P.W.B. ass'y
12. Mechanical assembly
13. Mecha. terminal P.W.B.
14. Motor

### [Mechanical parts]

1. Recording safety lever
2. Supply reel disk
3. Slide base ass'y
4. Take-up reel disk
5. Cassette guide (left side)
6. Erase head
7. Recording head
8. Playback head
9. Capstan shaft
10. Pinch roller ass'y
11. Cassette guide (right side)
12. Motor speed adjustment hole
13. Motor
14. FF solenoid
15. REW solenoid
16. Mecha. terminal P.W.B.
17. PAUSE solenoid
18. Flywheel
19. PLAY solenoid

# Removal of the main parts

Observe care in handling the parts since the parts are small in size and the distance between them are short due to a deck design aimed mainly at compactness and high performance.

(Removal should be performed in the order of steps 1, 2, 3, ..... )

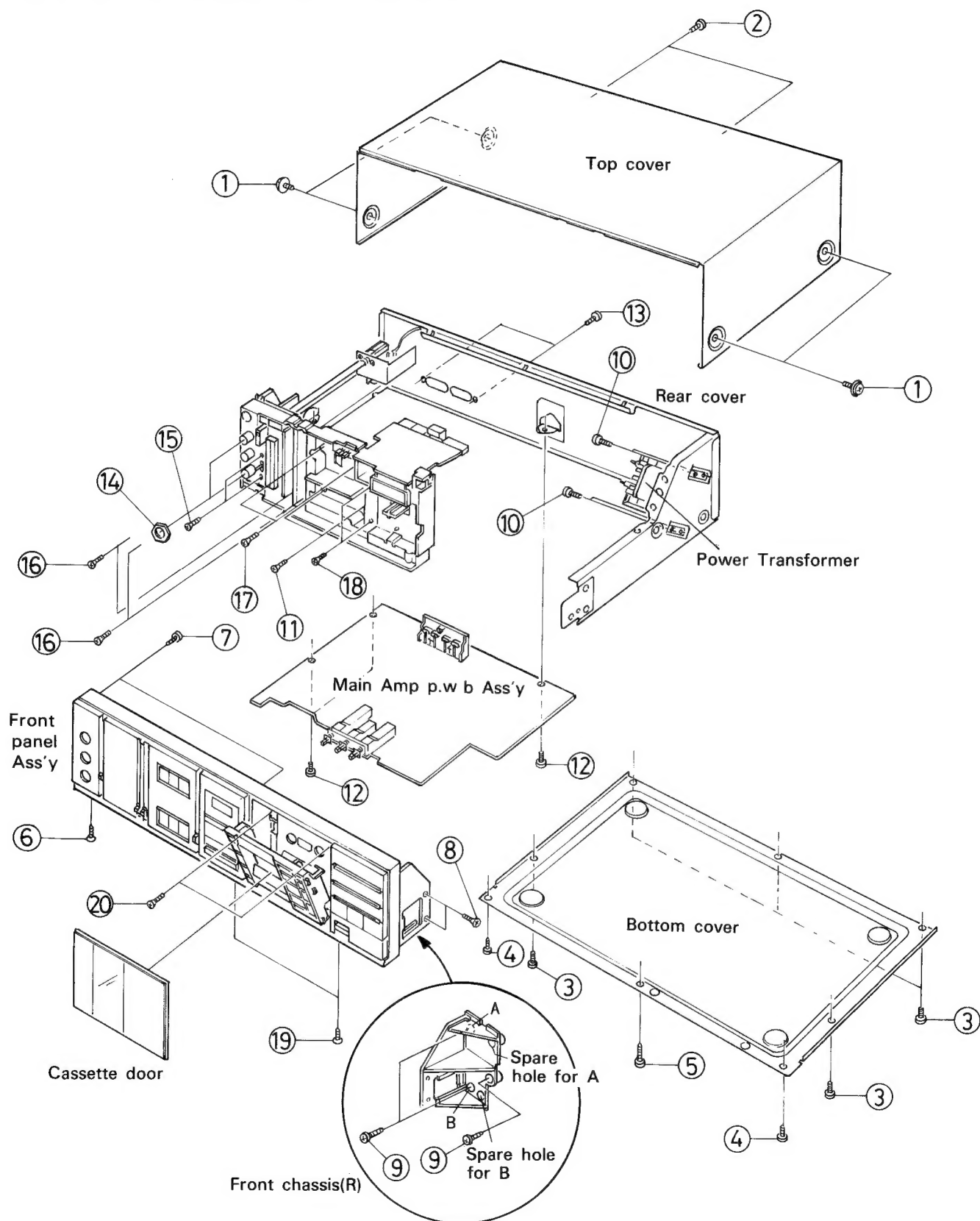


Fig. 8

**Enclosure assembly parts**

1. Top cover  
Remove 4 screws ① VKZ3001-002 on both sides and 2 screws ② SDST3006R on rear side.
2. Cassette door  
Push the eject button to open the cassette door. Slide off the cassette door upwards to unlock its pawls of both sides.
3. Bottom cover  
Remove 8 screws.      ③ SDST3006Z ..... 5 pcs.  
                                    ④ SDSB3008R ..... 2 pcs.  
                                    ⑤ SDSF3012R ..... 1 pc.
4. Front panel assembly
  - 1) Remove a screw ⑥ SSSF3008Z.
  - 2) Remove 2 screws ⑦ SDSF3012Z.
  - 3) Remove 2 screws ⑧ SSST3006Z fastening the front chassis (R) on right side.  
(When removing the mecha. assembly only, need not remove the front panel assembly. See item of mechanical assembly removal.)

\*Front chassis (R)  
Remove 3 screws ⑨ SDSF3012Z.  
(If A or B hole damaged, use spare hole for each.)

**Electrical parts**

1. Power transformer  
Remove 4 screws ⑩ SDST3008Z.  
(When removing under 2 screws, remove the bottom cover, and then insert the screw driver to remove its screws.)
2. Main amplifier P.W. board ass'y
  - 1) Remove the front plate ass'y.
  - 2) Remove 2 screws SSSP3006Z ⑪ fastening the switches ass'y on the front chassis.
  - 3) Remove 3 screws SDST3008Z ⑫ fastening the main amp. P.W. board on pattern side.
  - 4) Remove 2 screws SDSF3008R ⑬ fastening the pin jacks ass'y on the rear cover.
3. Mic. & phones jacks P.W. board ass'y  
Remove 2 nuts ⑭ fastening the mic. and phones jacks on the front chassis.
4. Timer switch  
Remove 2 screws ⑮ SSSP2606Z.
5. Input level control P.W. board ass'y  
Remove 4 screws ⑯ SSSP3006Z.
6. N.R. switch P.W. board ass'y  
Remove 2 screws ⑰ SSSP3006Z.
7. Output level control P.W. board ass'y  
Remove 2 screws ⑱ SSSP2004Z.

**Mechanical assembly**

1. Remove 2 screws ⑲ SSST3006R fastening the front panel on under side.
2. Remove 2 screws ⑳ SDST2605Z in the cassette holder.  
(When removing the mecha. assembly only, need not remove the front panel ass'y.)

**Mechanical parts**

The removal methods of mechanical parts are the same as for the model KD-W7A/B/C/E/J/U. Please refer to the service manual of KD-W7A/B/C/E/J/U (No.4215, page 11 ).

# Block Diagram

## Amplifier circuit

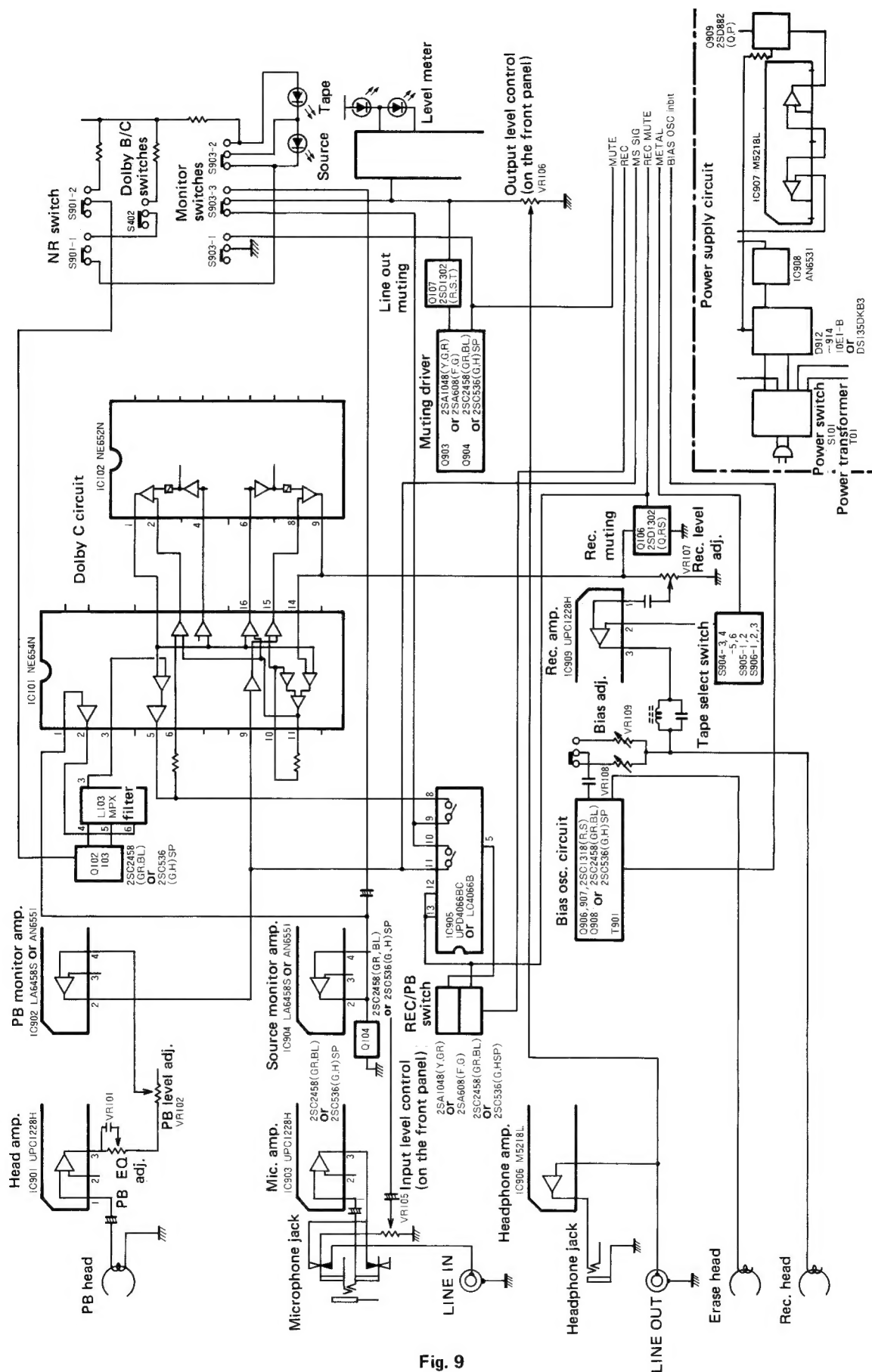
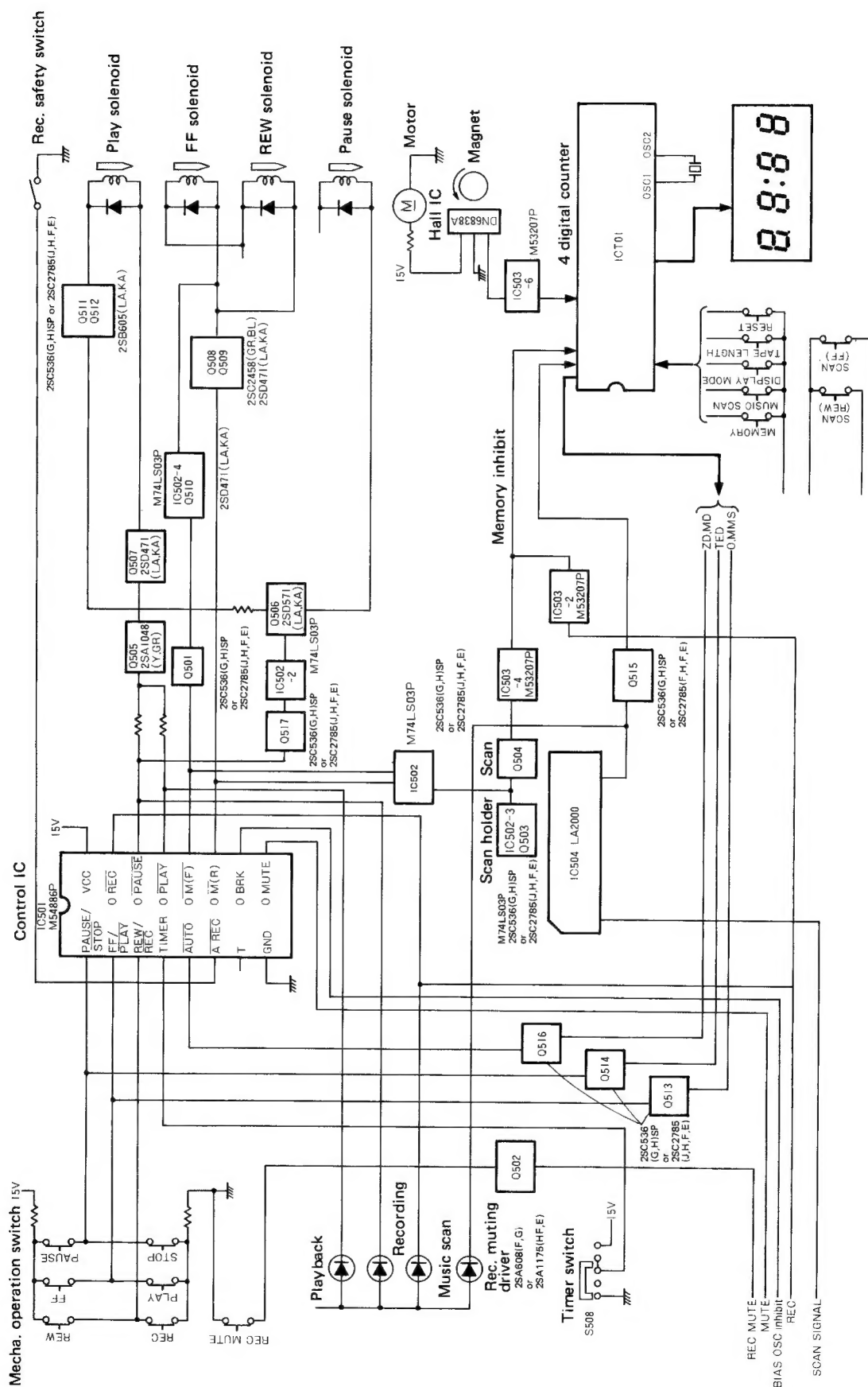


Fig. 9



## Mecha. control circuit



**Fig. 10**

# Main Adjustments

## [I] Equipment and measuring instruments used for adjustment

### 1. Electrical adjustment

- 1) Electronic voltmeter
- 2) Audio frequency oscillator (range: 50–20 kHz and output 0 dB with impedance 600  $\Omega$ )
- 3) Attenuator
- 4) Standard tapes for REC/PB
 

|                     |   |               |
|---------------------|---|---------------|
| Maxell UD – SF tape | } | or equivalent |
| TDK SA – SA tape    |   |               |
| JVC ME – Metal tape |   |               |

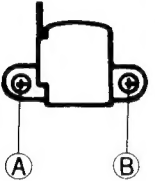
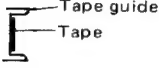
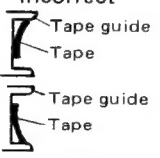
- 5) Reference tapes for playback (JVC Test Tape)
  - VTT-658 (for head azimuth adj.)
  - VTT-656 (for motor speed, wow flutter adj.)
  - VTT-664 (for reference level 1 kHz)
  - VTT-675N (for playback EQ adj.)
  - TMT-6247 (for music scan)
  - TMT-6237 (for music scan)
- 6) Resistors: 600  $\Omega$  (for attenuator matching)

### 2. Mechanical adjustment

- 1) Torque testing cassette gauge
- 2) Blank tape (C-120) for tape running checker.

## [II] Adjustment and repair of the mechanism

(Adjust the mechanism or confirm that it is in normal operating condition prior to the adjustment of the electrical circuit.)

| Item  | Adjustment  | Adjusting point | Standard value | Remarks  |
|---|---|-----------------|----------------|--|
| Adjusting erase head height<br> | Employ a special cassette (C-120) from which parts of the casing, where the erase head, record/playback head and capstan engage, has been cut away. Perform tape transport with the cassette tape. Adjust the screw (A) until the tape runs in the center of the erase head tape guide.<br><br><div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Correct</p>  </div> <div style="text-align: center;"> <p>Incorrect</p>  </div> </div> | Screw (A)       |                | Be sure to perform this adjustment after replacing the erase head. Screw (B) is fixed. |

### Replacement and adjustment of record and playback heads

This mechanism is used independently 3 heads. Each head itself is independent perfectly, but it is adjusted as head assembly on the head base, and then needs to perform as assembly for record and playback. If record or playback head is damaged, needs to replace as head assembly (ZCKDD55Y-HEAD).

When adjusting the head screws, observe care to perform as following method.

#### 1. Basic dimensions

Unit: mm

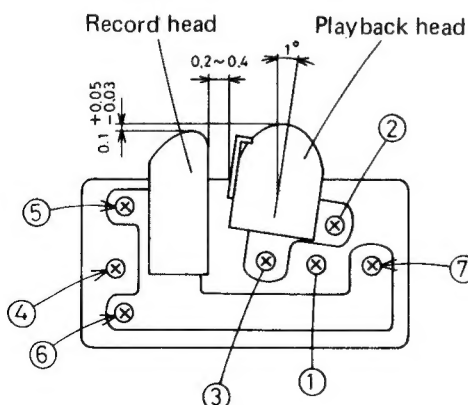


Fig. 11

Fig. 11 shows the basic dimensions of the record and playback heads. When replacing the head assembly or checking the frequency response, care its dimensions.

Information about screws:

○ : Adjustment is required.

X : Adjustment is not required.

- X ① Head base fixing screw
- X ② ③ Playback head fixing screw  
(balance screw for recording head)
- ④ Adjusting screw for playback azimuth
- X ⑤ Adjusting screw for recording height
- X ⑥ Adjusting screw for recording flapper
- ⑦ Adjusting screw for recording azimuth

### 2. Adjustment

After replacement of the head assembly, adjust it according to the following method.

#### 1) Playback head azimuth

- Connect an electronic voltmeter to the LINE OUT terminals.
- Adjust the screw (④) until the recording of the electronic voltmeter becomes maximum for both channels.
- After adjusting, set the screw with screw bond.

#### 2) Recording head azimuth

- Connect an electronic voltmeter to the LINE OUT terminals.
- Apply 0 VU –20 dB 14 kHz signal to LINE IN terminals.
- Adjust the screw (⑦) so that the electronic voltmeter reads maximum with recording monitor signal for both channels.

| Item                         | Adjustment   | Adjusting point                  | Standard value     | Remarks  |
|------------------------------|--|----------------------------------|--------------------|--|
| Adjusting motor speed        | Connect a speed meter (an electronic counter) to the LINE OUT terminals. Play back the VTT-656 test tape. Adjust the semi-fixed resistor in the motor until the reading of the speed meter is 3000 Hz. | Semi-fixed resistor in the motor | 3000 Hz            | If the speed meter functions as a wow and flutter meter, also, connect the deck to the INPUT terminals of the meter.   |
| Checking play-back torque    | Employ a torque testing cassette tape for the checking.  |                                  | 40–70 gr-cm        | If the standard torque is not obtained, replace the take-up disc assembly.   |
| Checking fast forward torque | Measure the torque in the fast forward mode in the same manner as in the above.  |                                  | More than 80 gr-cm | If the standard torque is not obtained, perform the following.<br>1. Clean the capstan belt, the motor pulley, the take-up reel disc circumference, the flywheel circumference, etc.<br>2. Replace the belt. |
| Checking rewind torque       | Measure the torque in the rewind mode in the same manner as in the above.  |                                  | More than 80 gr-cm | If the standard torque is not obtained, clean the capstan belt, motor pulley, flywheel circumference, supply reel disc circumference, etc.   |
| Checking wow and flutter     | Connect a wow and flutter meter to LINE OUT terminals. Play back the VTT-656 test tape. Check to see if the reading of the meter is within 0.05% (WRMS).   |                                  |                    | If the reading becomes moving value even if conforming to the standard, a re-claim may be raised. Repairs are necessary.   |
| Multi-music scan check       | 1. Using a TMT-6247 with the counter display switch set to MMS. Push the FF SCAN or REW SCAN button to check scanning.<br>2. Using the TMT-6237, the music scan mechanism does not function.           |                                  |                    |  |

### [III] Electrical adjustment location

#### Main Amp. P.W. Board (Parts ass'y side view)

(Turning in the direction of the arrow increases the levels.)

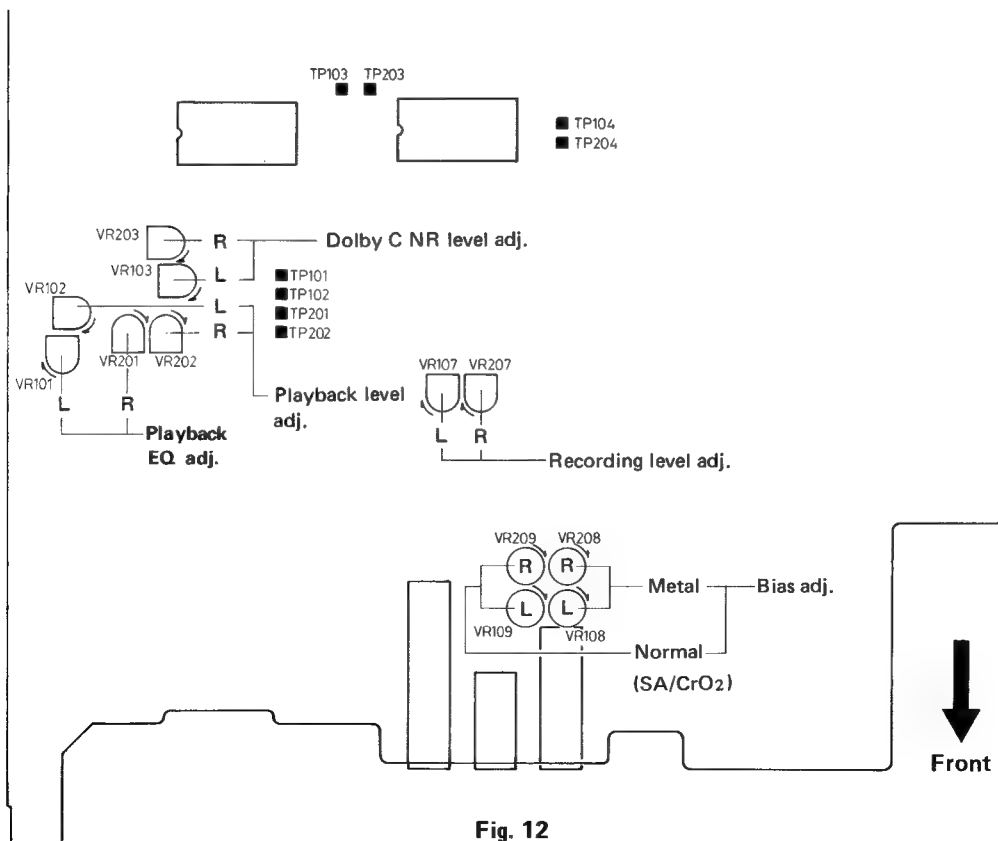


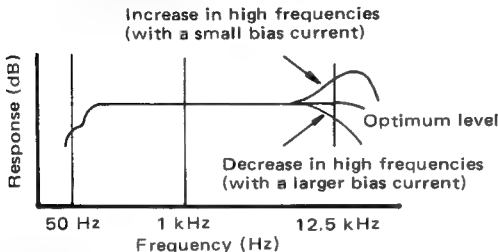
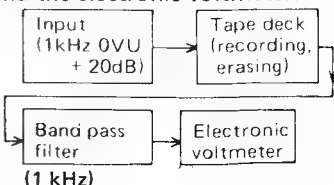
Fig. 12

#### [IV] Electrical circuit adjustment procedure

In the steps marked by an asterisk (\*), adjustment should be performed, however, only checking is sufficient, with steps other than those.

Adjustment should be performed in the order of steps 1, 2, 3, ..... .

| Step | Item                 | Adjustment   |   |   |  |
|------|----------------------|--|---|---|--|
|      |                      |  |   | Frequency level                                   | Output increase deviation                                    |
| 1    | Dolby NR             | Dolby B NR at recording  | INPUT: LINE IN<br>Connective point: TP-104, 204<br><br>Reference level: 400 Hz -6 dBs (= Cal level)   | 1 kHz Cal -40 dB                                  | +5.7 dB ± 1 dB   |
|      |                      |  |   | 5 kHz Cal -20 dB                                  | +3.5 dB ± 1.5 dB   |
|      |                      |  |   | 1 kHz Cal   | 0 dB ± 1 dB  |
|      |                      | Dolby C NR at recording  |   | 1 kHz Cal -40 dB                                  | +17 dB ± 1.5 dB  |
|      |                      |  |   | 5 kHz Cal -20 dB                                  | +3.5 dB ± 1.5 dB   |
|      |                      |  |   | 1 kHz Cal   | 0 dB ± 1 dB  |
| 2    | Dolby NR             | Dolby B NR at playback   | INPUT: IC101, 201 Pin 9<br>Note: Connect an E Capacitor (10 μ, 50 V) to pin 9 (+ side) from ATT (- side).<br>Connective point: TP-102, 202<br>Reference level: 400 Hz 0 dBs (= Cal level) | 1 kHz Cal -34.3 dB                                | -5.7 dB ± 1 dB   |
|      |                      |  |   | 5 kHz Cal -16.5 dB                                | -3.5 dB ± 1.5 dB   |
|      |                      |  |   | 1 kHz Cal   | 0 dB ± 1 dB  |
|      |                      | Dolby C NR at playback   |   | 1 kHz Cal -23 dB                                  | -17 dB ± 2 dB  |
|      |                      |  |   | 5 kHz Cal -16.5 dB                                | -3.5 dB ± 2 dB   |
|      |                      |  |   | 1 kHz Cal   | 0 dB ± 1 dB  |
| Step | Item                 | Adjustment   | Adjusting point   | Standard value                                    | Remarks  |
| 3    | Monitor level        | (After adjustments of the items 1 and 2, perform this item.)<br>1. Play back test tape VTT-664 (1 kHz) in recording mode with bias cut and monitor switch at "TAPE".<br>2. NR SW: OFF. Adjust VR102, 202 so that LINE OUT levels become -4 dBs.<br>3. Set at playback mode, and adjust VR103, 203 so that LINE OUT levels become the same as item 2. | VR102, 202<br>VR103, 203  | -4 dBs  | Be sure to perform this adjustment after replacing the head. |
| 4    | Playback EQ          | Play back test tape VTT-675N (1 kHz, 10 kHz) for the following adjustment.<br>Adjust VR101 and 201 so that 10 kHz signal and 1 kHz signal gains become flat response.  | VR101, 201  | Reference frequency;<br>1 kHz<br>0±2 dB at 10 kHz | NR: OFF<br>TAPE SELECT: SF/NORM                              |
| 5    | Level meter checking | 1. Set the cassette deck to its recording mode.<br>2. Apply 1 kHz signal to the LINE IN terminals.<br>3. Adjust input level controls until the signal is available at -4 dBs at the LINE OUT terminals.<br>4. Check lighting at 0 dB indicator of the LED meter.   |   |   |  |

| Step | Item  | Adjustment  | Adjusting point   | Standard value   | Remarks  |
|------|---|---|---|--|--|
| 6*   | Record/playback frequency response          | <p>Record 1 kHz, 50 Hz and 12.5 kHz signals at an input level of 0 dB to -20 dB. Play back the tape. Check to see that the 50 Hz and 12.5 kHz signal output deviations fall within the standard range, using the 1 kHz signal output as a reference.</p>  <p><b>Note:</b> Be sure to perform this adjustment after adjustment of item 7 (recording level). If 1 k/12.5 kHz signal output level become <math>0 \pm 4</math> dB or more, re-check item 6. (At NR SW on, Rec/PB frequency response cannot be checked with the monitor.)</p> | <p>For SF/NORM tape; VR109, 209</p> <p>For Metal tape; VR108, 208</p> | <p>Reference frequency; 1 kHz</p> <p><math>0 \pm 3</math> dB at 50 Hz</p> <p><math>0 \pm 3</math> dB at 12.5 kHz</p> | If the bias current is not properly adjusted, the record and playback characteristics become as shown left.  |
| 7    | Recording level                             | <ol style="list-style-type: none"> <li>1. Apply a 1 kHz, approx. -10 dB signal to the LINE IN terminals. Adjust the recording level controls until the signal is available at -4 dBs at the LINE OUT terminals.</li> <li>2. After checking to see if the LED indicator becomes 0, record the signal applied to both left and right channels using normal tape.</li> <li>3. Play back the recording part. Perform the recording signal adjustment with VR107 and VR207 so that the LED indicator becomes 0.</li> </ol>   | VR107, 207  | 0  | Perform the adjustment using a normal tape, level difference between recording and playback for SA/CrO <sub>2</sub> and metal tapes, should be less than 1.5 dB, and that between left and right channels should also be less than 1 dB. |
| 8    | Record/playback signal distortion           | <ol style="list-style-type: none"> <li>1. Record a 1 kHz, -4 dBs signal to LINE IN terminals and perform recording with the LED indicator becomes 0.</li> <li>2. Play back the recorded part. Check the output with a distortion meter to see if the value conforms to the standard value.</li> </ol>   |   | <p>SF/NORM tape; Less than 2%</p> <p>SA/CrO<sub>2</sub> tape; Less than 3%</p> <p>Metal tape; Less than 2%</p>       | Be sure to perform this adjustment following bias current and recording level adjustments.   |
| 9    | Signal-to-noise ratio in recording/playback | <ol style="list-style-type: none"> <li>1. Record a 1 kHz, 0 dB signal. Stop the input by disconnecting from the terminal to perform non-signal recording.</li> <li>2. Play back the recorded part. Measure the 0 dB recording output and the non-signal recording output for comparison using an electronic voltmeter. Check to see if the value conforms to the standard value.</li> </ol>   |   | <p>SF/NORM, SA/CrO<sub>2</sub> and Metal tapes; More than 42 dB</p>  | Apply an output (-72 dBs) to the MIC terminals with the recording level controls set to maximum so that the LED indicator becomes 0.   |
| 10   | Checking erasing coefficient                | <ol style="list-style-type: none"> <li>1. Apply a 1 kHz signal to the LINE IN terminals. Adjust the recording level controls until the LED indicator becomes 0.</li> <li>2. Perform recording with the signal enhanced by 20 dB.</li> <li>3. Erase a part of the recording.</li> <li>4. Measure the output difference between the erased part and non-erased part to compare with an electronic voltmeter.</li> </ol>   |   | More than 65 dB  | <p>For the measuring, connect a band pass filter between the deck and the electronic voltmeter.</p>   |
| 11   | Check Auto stop                             | Hold less than $1 \pm 0.5$ mm gap to the magnet from the hall IC.   |   |  |  |

# Voltage measured value

## Main Amplifier P.W.B.

|       |              | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10  | 11  | 12   | 13   | 14   | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |
|-------|--------------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| IC101 | E. Voltmeter | 7.2  | 7.2  | 7.2  | 0.5  | 7.2  | 7.2  | 6.6  | 6.6  | 7.2  | 7.2 | 7.2 | 14.2 | 14.5 | 7.2  | 7.2 | 7.2 | 0   | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 |
|       | C. Tester    | 5.6  | 7.1  | 7.0  | 0.4  | 7.1  | 7.0  | 0.85 | 0.85 | 5.6  | 7.0 | 7.1 | 9.3  | 14.5 | 7.1  | 7.1 | 7.1 | 0   | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 |
| IC102 | E. Voltmeter | 7.2  | 7.2  | 7.2  | 7.2  | 0    | 7.2  | 7.2  | 7.2  | 7.2  | 7.2 | 7.2 | 6.8  | 14.5 | 0.5  | 7.3 | 6.8 | 7.2 | 7.2 |     |     |     |     |     |     |
|       | C. Tester    | 7.1  | 7.1  | 6.9  | 5.7  | 0    | 5.2  | 7.0  | 7.1  | 7.1  | 7.1 | 6.7 | 6.2  | 14.5 | 0.4  | 7.1 | 6.2 | 6.8 | 7.1 |     |     |     |     |     |     |
| IC901 | E. Voltmeter | 1.4  | 0.8  | 7.0  | 14.4 | 0    | 7.0  | 0.8  | 1.4  |      |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
|       | C. Tester    | 0.18 | 0.6  | 7.0  | 14.4 | 0    | 7.0  | 0.6  | 0.18 |      |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
| IC902 | E. Voltmeter | 14.4 | 7.2  | 7.2  | 7.2  | 0    | 7.2  | 7.2  | 7.2  | 14.4 |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
|       | C. Tester    | 14.4 | 7.2  | 7.1  | 6.6  | 0    | 6.6  | 7.1  | 7.2  | 14.4 |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
| IC903 | E. Voltmeter | 1.4  | 0.8  | 7.0  | 16.5 | 0    | 7.0  | 0.8  | 1.4  |      |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
|       | C. Tester    | 0.15 | 0.6  | 7.0  | 16.5 | 0    | 7.0  | 0.6  | 0.15 |      |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
| IC904 | E. Voltmeter | 14.4 | 7.2  | 7.2  | 7.2  | 0    | 7.2  | 7.2  | 7.2  | 14.4 |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
|       | C. Tester    | 14.4 | 7.2  | 7.1  | 5.8  | 0    | 5.8  | 7.1  | 7.2  | 14.4 |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
| IC905 | E. Voltmeter | 7.2  | 7.2  | 7.2  | 7.3  | 0    | 0    | 0    | 7.2  | 7.2  | 7.2 | 7.2 | 14.4 | 14.4 | 14.5 |     |     |     |     |     |     |     |     |     |     |
|       | C. Tester    | 7.1  | 7.1  | 7.1  | 7.1  | 0    | 0    | 0    | 7.1  | 7.2  | 7.2 | 7.2 | 14.5 | 14.5 | 14.5 |     |     |     |     |     |     |     |     |     |     |
| IC906 | E. Voltmeter | 10.3 | 10.3 | 10.3 | 0    | 10.3 | 10.3 | 10.3 | 20.5 |      |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
|       | C. Tester    | 10.0 | 6.6  | 8.5  | 0    | 8.5  | 6.6  | 10.0 | 20.5 |      |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
| IC907 | E. Voltmeter | 18.5 | 7.3  | 7.3  | 7.3  | 0    | 7.3  | 7.3  | 15.2 | 18.5 |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
|       | C. Tester    | 18.5 | 7.1  | 7.1  | 6.9  | 0    | 6.9  | 7.1  | 7.1  | 18.5 |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
| IC908 | E. Voltmeter | 5.0  | 0    | 29.0 | 20.5 |      |      |      |      |      |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
|       | C. Tester    | 5.0  | 0    | 29.0 | 20.5 |      |      |      |      |      |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
| IC909 | E. Voltmeter | 1.4  | 0.8  | 7.5  | 16.7 | 0    | 7.5  | 0.8  | 1.4  |      |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |
|       | C. Tester    | 0.2  | 0.6  | 7.3  | 16.5 | 0    | 7.3  | 0.6  | 0.2  |      |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |

|      |      | E. Voltmeter |      |      | C. Tester |      |   |
|------|------|--------------|------|------|-----------|------|---|
|      |      | E            | C    | B    | E         | C    | B |
| FET  | D    | G            | S    | D    | G         | S    |   |
| Q101 | 6.5  | 6.5          | 6.5  | 6.2  | 1.0       | 6.2  |   |
| Q102 | 0    | 7.2          | 0    | 0    | 7.1       | 0    |   |
| Q103 | 0    | 7.2          | 0    | 0    | 7.1       | 0    |   |
| Q104 | 7.2  | 7.2          | 0    | 7.1  | 7.1       | 0    |   |
| Q106 | 0    | 0            | 0    | 0    | 0         | 0    |   |
| Q107 | 0    | 0            | 0    | 0    | 0         | 0    |   |
| Q901 | 14.4 | 0            | 14.4 | 14.4 | 0         | 14.4 |   |
| Q902 | 0    | 14.5         | 0    | 0    | 14.0      | 0    |   |
| Q903 | 20.0 | 0            | 20.5 | 20.0 | 0         | 20.0 |   |
| Q904 | 0    | 20.5         | 0    | 0    | 20.0      | 0    |   |
| Q906 | 1.1  | 18.5         | 0.4  | 1.1  | 18.5      | 0.32 |   |
| Q907 | 1.1  | 18.5         | 0.4  | 1.1  | 18.5      | 0.32 |   |
| Q908 | 0    | 0            | 0.8  | 0    | 0         | 0.75 |   |
| Q909 | 14.5 | 19.6         | 15.1 | 14.5 | 19.6      | 15.1 |   |

Voltage values are measured by the following meter with-out input signal at NR SW = OFF, recording mode.

E. Voltmeter = Electronic Voltmeter

C. Tester = Circuit Tester (20 k $\Omega$ /V impedance)

(less than 10 V – 10 V range)  
(10 V or more – 50 V range)

## Mecha. Control P.W.B.

|       |              | 1    | 2 | 3    | 4 | 5 | 6 | 7   | 8 | 9   |
|-------|--------------|------|---|------|---|---|---|-----|---|-----|
| IC504 | E. Voltmeter | 2.0  | 0 | 2.0  | 0 | 0 | 0 | 0.2 | 0 | 8.5 |
|       | C. Tester    | 0.25 | 0 | 1.95 | 0 | 0 | 0 | 0   | 0 | 8.4 |

# Wiring Connection

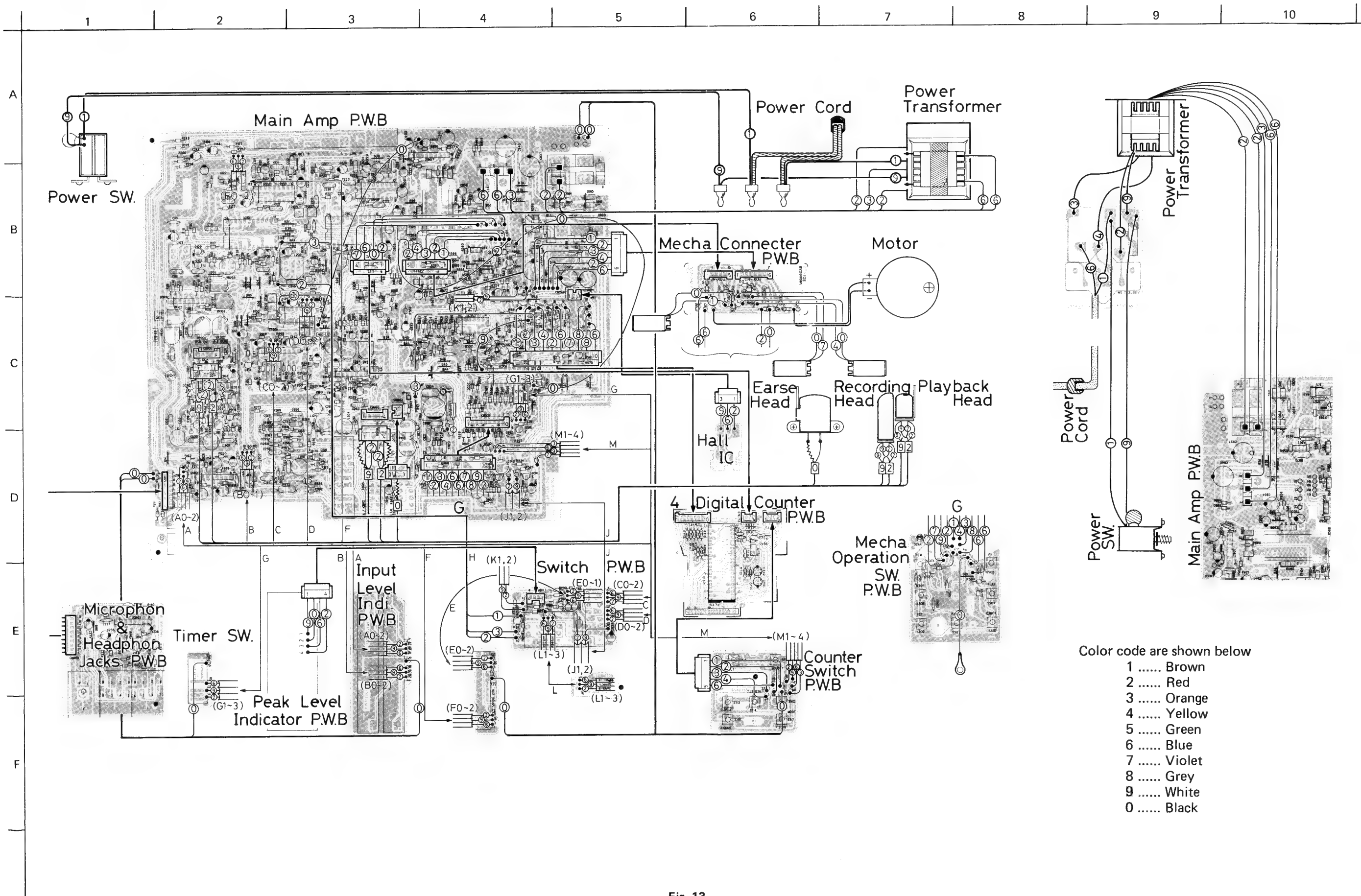
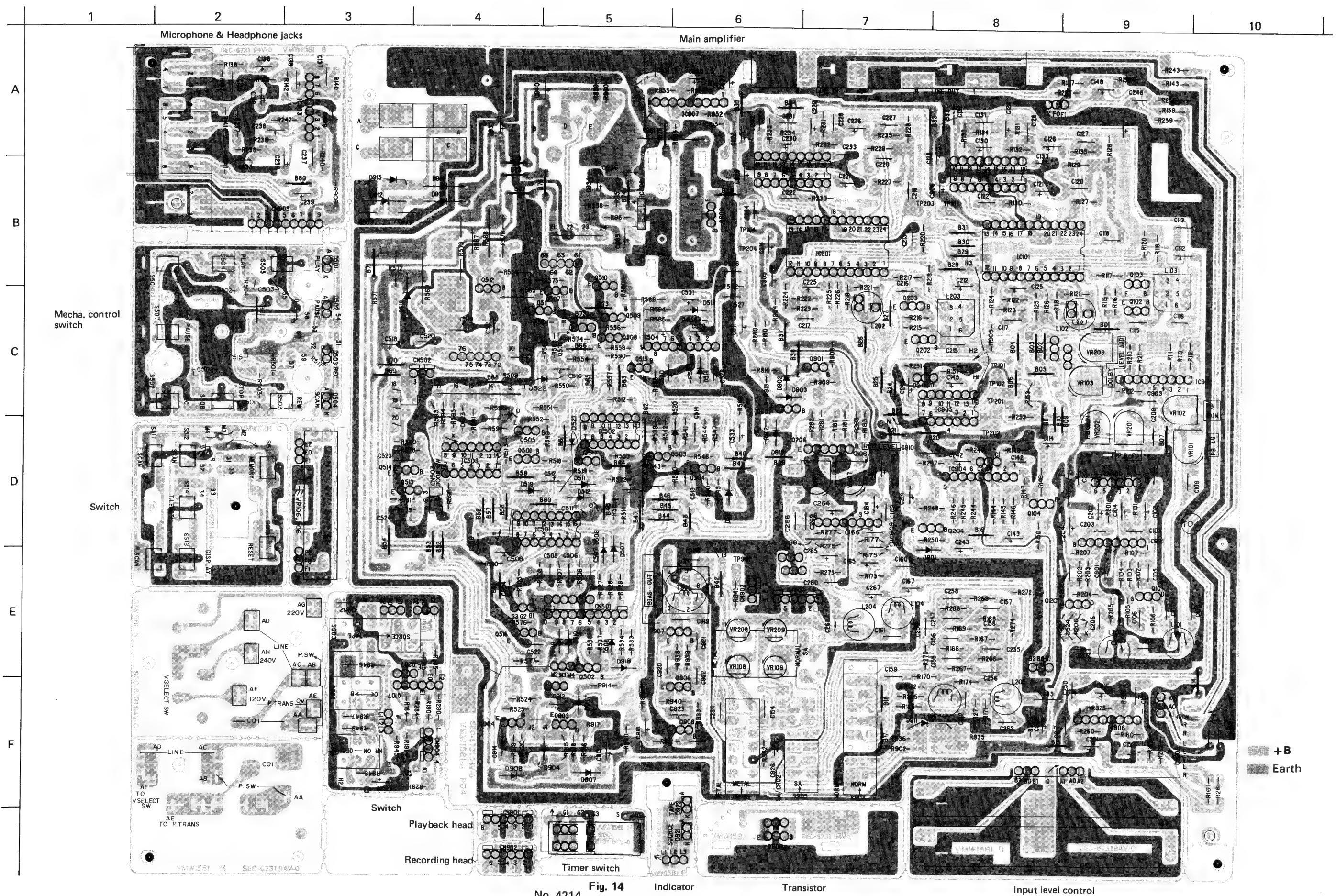


Fig. 13

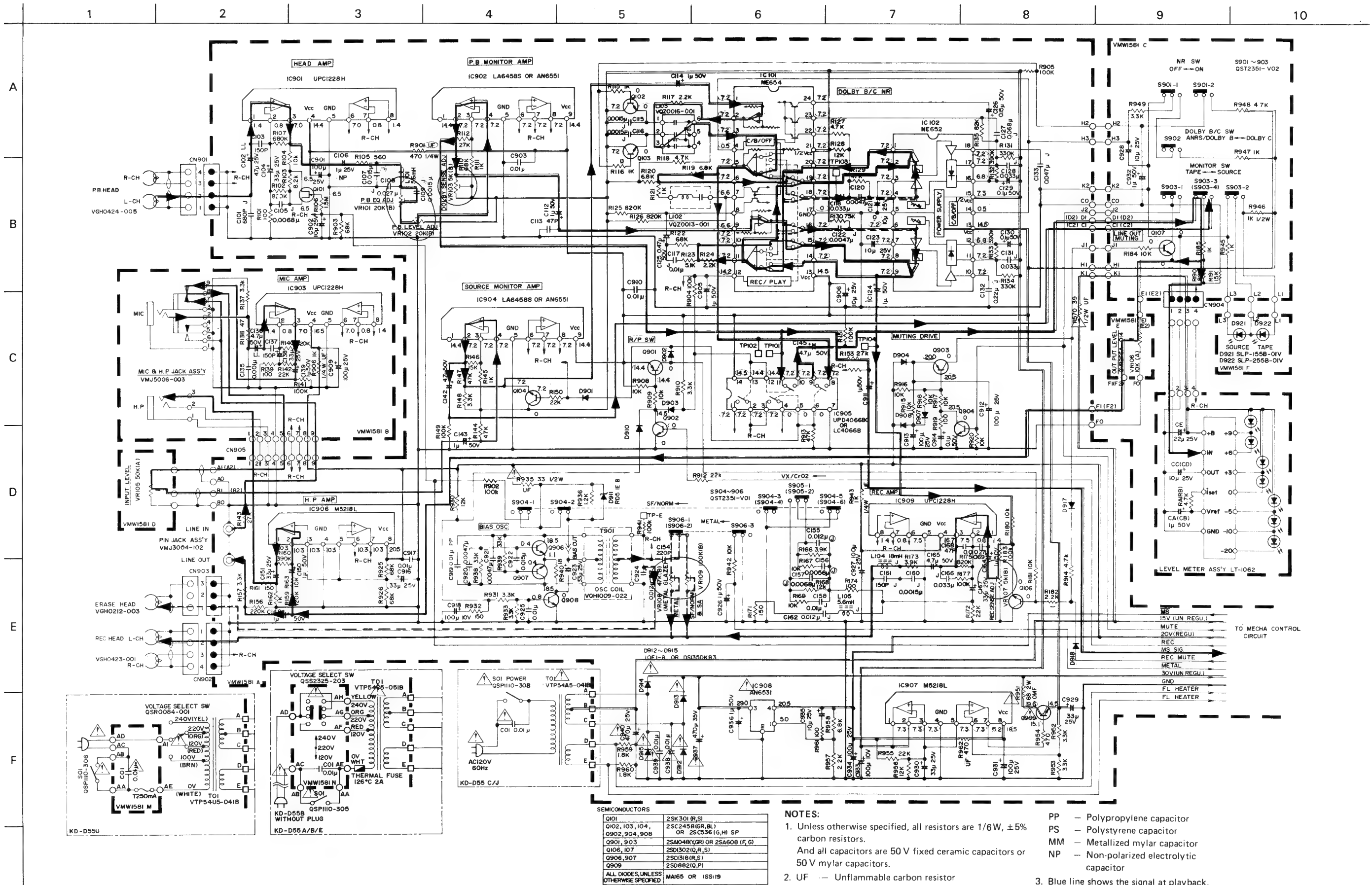


## P.W.Board Parts





# Standard Schematic Diagram of KD-D55 (Main Amplifier Circuit)



# Standard Schematic Diagram of KD-D55 (Mecha Control circuit)

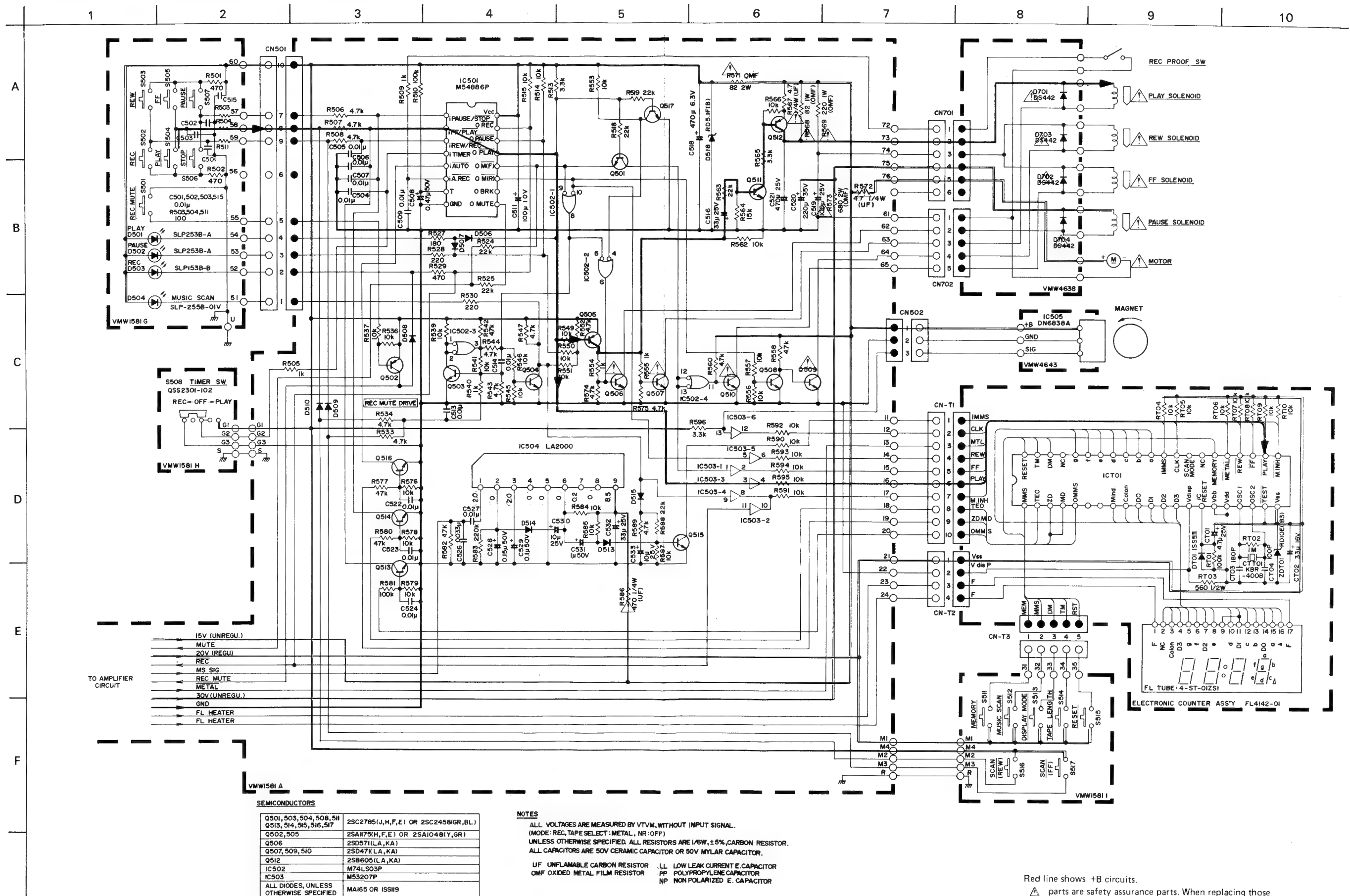


Fig. 16

# Main P.W.B. Parts List

△ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

| Ref. No.   | △ | Parts No.                  | Parts Name                | Remarks      | Q'ty    |
|--|---|----------------------------|---------------------------|--------------|---------|
| R101, 201, 139, 239, 174, 274,<br>503, 504, 511, 919, 961  |   | VMW1581-104<br>QRD161J-101 | P.W. Board<br>C. Resistor | 100 Ω 1/6 W  | 1<br>11 |
| R102, 202, 140, 240, 126, 226,<br>125, 225, 175, 275   |   | " -824                     | "                         | 820 kΩ "     | 10      |
| R103, 203  |   | " -822                     | "                         | 8.2 kΩ "     | 2       |
| R104, 204, 167, 267, 169,<br>269, 180, 280, 181, 281<br>184, 284, 908, 909, 915,<br>916, 917, 918, 920, 942,<br>512, 514, 515, 536, 537,<br>539, 541, 545, 546, 549,<br>550, 551, 553, 556, 557,<br>562, 566, 576, 578, 579,<br>584, 585, 587, 590, 591,<br>592, 593, 594, 595 |   | " -103                     | "                         | 10 kΩ "      | 49      |
| R105, 205  |   | " -561                     | "                         | 560 Ω "      | 2       |
| R106, 206  |   | QRD143J-155S               | "                         | 1.5 MΩ 1/4 W | 2       |
| R107, 207  |   | QRD161J-684                | "                         | 680 kΩ 1/6 W | 2       |
| R110, 210, 122, 222, 903,<br>925, 926  |   | " -683                     | "                         | 68 kΩ "      | 7       |
| R111, 211, 115, 215, 116, 216,<br>121, 221, 145, 245, 162, 262,<br>185, 285, 505, 509, 540, 554,<br>555, 945, 947  |   | " -102                     | "                         | 1 kΩ "       | 21      |
| R112, 212, 143, 243, 153, 253  |   | " -273                     | "                         | 27 kΩ "      | 6       |
| R117, 217, 124, 224, 172, 272,<br>182, 282, 957  |   | " -222                     | "                         | 2.2 kΩ "     | 9       |
| R118, 218, 127, 227, 506, 507,<br>508, 533, 534, 542, 543, 544,<br>547, 558, 560, 574, 575, 582,<br>589, 914, 948  |   | " -472                     | "                         | 4.7 kΩ "     | 21      |
| R119, 219, 120, 220, 958   |   | " -682                     | "                         | 6.8 kΩ "     | 5       |
| R123, 223  |   | " -512                     | "                         | 5.1 kΩ "     | 2       |
| R128, 228, 168, 268, 930, 956  |   | " -123                     | "                         | 12 kΩ "      | 6       |
| R129, 229, 144, 244, 147, 247,<br>577, 580, 913  |   | " -473                     | "                         | 47 kΩ "      | 9       |
| R130, 230  |   | " -753                     | "                         | 75 kΩ "      | 2       |
| R131, 231, 134, 234  |   | " -334                     | "                         | 330 kΩ "     | 4       |
| R132, 232, 133, 233, 160, 260  |   | " -394                     | "                         | 390 kΩ "     | 6       |
| R135, 235, 190, 290  |   | " -823                     | "                         | 82 kΩ "      | 4       |
| R137, 237, 148, 248, 157, 257,<br>910, 931, 933, 949, 952, 953,<br>513, 552, 596   |   | " -332                     | "                         | 3.3 kΩ "     | 15      |
| R138, 238  |   | " -470                     | "                         | 47 Ω "       | 2       |
| R141, 241, 149, 249, 151, 251,<br>177, 277, 183, 283, 510, 581,<br>902, 904, 905, 941  |   | " -104                     | "                         | 100 kΩ "     | 16      |
| R142, 242, 150, 250, 518, 519,<br>524, 525, 563, 588, 912, 955   |   | " -223                     | "                         | 22 kΩ "      | 12      |
| R146, 246, 191, 291, 564   |   | " -153                     | "                         | 15 kΩ "      | 5       |
| R156, 256, 583   |   | " -224                     | "                         | 220 kΩ "     | 3       |
| R159, 259  |   | " -124                     | "                         | 120 kΩ "     | 2       |
| R161, 261, 171, 271, 932   |   | " -151                     | "                         | 150 Ω "      | 5       |
| R163, 263  |   | QRD143J-103S               | "                         | 10 kΩ 1/4 W  | 2       |
| R165, 265, 501, 502, 529, 954  |   | QRD161J-471                | "                         | 470 Ω 1/6 W  | 6       |
| R166, 266, 173, 273  |   | " -392                     | "                         | 3.9 kΩ "     | 4       |
| R901, 962, 586   | △ | QRD149J-471S               | "                         | 470 Ω 1/4 W  | 3       |
| R906, 943  |   | " -102S                    | "                         | 1 kΩ "       | 2       |
| R935   | △ | QRD129J-330                | " (U,F)                   | 33 Ω 1/2 W   | 1       |

| Ref. No.  | ⚠ | Parts No.     | Parts Name        | Remarks              | Q'ty |
|---|---|---------------|-------------------|----------------------|------|
| R936  |   | QRD161J-122   | C. Resistor       | 1.2 k $\Omega$ 1/6 W | 1    |
| R938, 939   |   | " -333        | "                 | 33 k $\Omega$ "      | 2    |
| R940  |   | " -180        | "                 | 18 $\Omega$ "        | 1    |
| R946  |   | QRD121J-102   | "                 | 1 k $\Omega$ 1/2 W   | 1    |
| R951  | ⚠ | QRG029J-680   | O.M.F. Resistor   | 68 $\Omega$ 2 W      | 1    |
| R959, 960   |   | QRD161J-182   | C. Resistor       | 1.8 k $\Omega$ 1/6 W | 2    |
| R527  |   | " -181        | "                 | 180 $\Omega$ "       | 1    |
| R528, 530   |   | " -221        | "                 | 220 $\Omega$ "       | 2    |
| R565  |   | QRD147J-332S  | "                 | 3.3 k $\Omega$ 1/4 W | 1    |
| R567, 572   | ⚠ | QRD149J-4R7S  | " (UF)            | 4.7 k $\Omega$ "     | 2    |
| R568  | ⚠ | QRG019J-820   | O.M.F. Resistor   | 82 $\Omega$ 1 W      | 1    |
| R569  | ⚠ | " -221        | "                 | 220 $\Omega$ "       | 1    |
| R570  | ⚠ | QRD129J-390   | C. Resistor (UF)  | 39 $\Omega$ 1/2 W    | 1    |
| R571  | ⚠ | QRG029J-820   | O.M.F. Resistor   | 82 $\Omega$ 2 W      | 1    |
| R573  | ⚠ | " -681        | "                 | 680 $\Omega$ "       | 1    |
| C101, 201   |   | QCS11HJ-681   | C. Capacitor      | 680 pF 50 V          | 2    |
| C102, 202, 136, 236   |   | QEB41EM-475M  | E. Capacitor (LL) | 4.7 $\mu$ F 25 V     | 4    |
| C103, 203, 137, 237   |   | QCS11HJ-151   | C. Capacitor      | 150 pF 50 V          | 4    |
| C104, 204, 138, 238, 151, 251, 167, 267, 516, 532, 916, 923, 929, 930   |   | QET41ER-336M  | E. Capacitor      | 33 $\mu$ F 25 V      | 14   |
| C105, 205, 157, 257   |   | QFM41HJ-682   | M. Capacitor      | 0.0068 $\mu$ F 50 V  | 4    |
| C106, 206   |   | QEN41HA-105N  | E. Capacitor      | 1 $\mu$ F "          | 2    |
| C107, 207, 922  |   | QFM41HJ-153   | M. Capacitor      | 0.015 $\mu$ F "      | 3    |
| C108, 208   |   | " -273        | "                 | 0.027 $\mu$ F "      | 2    |
| C109, 209, 115, 215, 116, 216, 160, 260   |   | " -152        | "                 | 0.0015 $\mu$ F "     | 8    |
| C112, 212, 114, 214, 124, 224, 139, 239, 143, 243, 148, 248, 150, 250, 164, 264, 531, 905, 911, 926, 932, 936 |   | QET41HR-105M  | E. Capacitor      | 1 $\mu$ F "          | 22   |
| C113, 213   |   | QCS11HJ-470   | C. Capacitor      | 47 pF "              | 2    |
| C117, 217, 158, 258, 527  |   | QFM41HJ-103   | M. Capacitor      | 0.01 $\mu$ F "       | 5    |
| C118, 218, 128, 228, 131, 231, 166, 266, 526  |   | " -333        | "                 | 0.033 $\mu$ F "      | 9    |
| C120, 220, 122, 222, 920, 921   |   | " -472        | "                 | 0.0047 $\mu$ F "     | 6    |
| C121, 221, 123, 223, 530, 533, 902, 906, 928, 935   |   | QET41ER-106   | E. Capacitor      | 10 $\mu$ F 25 V      | 10   |
| C125, 225, 508  |   | QET41HR-474   | "                 | 0.47 $\mu$ F 50 V    | 3    |
| C126, 226, 528  |   | " -154N       | "                 | 0.15 $\mu$ F "       | 3    |
| C127, 227   |   | QFM41HJ-683   | M. Capacitor      | 0.068 $\mu$ F "      | 2    |
| C129, 229, 130, 230, 529, 914   |   | QET41HR-104N  | E. Capacitor      | 0.1 $\mu$ F "        | 6    |
| C132, 232   |   | QFM41HJ-224   | M. Capacitor      | 0.22 $\mu$ F "       | 2    |
| C133, 233   |   | " -473        | "                 | 0.047 $\mu$ F "      | 2    |
| C135, 235   |   | " -102        | "                 | 0.001 $\mu$ F "      | 2    |
| C142, 242, 145, 245, 165, 265   |   | QET41HR-475   | E. Capacitor      | 4.7 $\mu$ F "        | 6    |
| C154, 254   |   | QCS11HJ-221   | C. Capacitor      | 220 pF "             | 2    |
| C155, 255, 162, 262   |   | QFM41HJ-123   | M. Capacitor      | 0.012 $\mu$ F "      | 4    |
| C156, 256   |   | " -562        | "                 | 0.0056 $\mu$ F "     | 2    |
| C161, 261   |   | QCS12HJ-151   | C. Capacitor      | 150 pF 500 V         | 2    |
| C168, 268   |   | QCS11HJ-470   | "                 | 47 pF 50 V           | 2    |
| C169, 269   |   | QFM41HJ-272   | M. Capacitor      | 0.0027 $\mu$ F "     | 2    |
| C501, 502, 503, 504, 505, 506, 507, 509, 513, 514, 515, 522, 523, 524, 903, 910, 917, 925, C938, 939          |   | QCF11HP-103   | C. Capacitor      | 0.01 $\mu$ F "       | 20   |
| C511, 918, 933  | ⚠ | QCF11HP-103   | C. Capacitor      | 0.01 $\mu$ F 50V     | 2    |
| C518  |   | QET41AR-107N  | E. Capacitor      | 100 $\mu$ F 10 V     | 3    |
| C519, 901, 909, 912, 913, 927, 931, 934   |   | QET40JR-477N  | "                 | 470 $\mu$ F 6.3 V    | 1    |
| C520  |   | QET41ER-107ZM | "                 | 100 $\mu$ F 25 V     | 8    |
|   |   | QET41VR-227N  | "                 | 220 $\mu$ F 35 V     | 1    |

| Ref. No.   | ⚠ | Parts No.      | Parts Name     | Remarks            | Q'ty |
|--|---|----------------|----------------|--------------------|------|
| C521,940   | ⚠ | QET41ER-477N   | E. Capacitor   | 470 $\mu$ F 25 V   | 2    |
| C919   |   | QFP82AJ-103    | P.P. Capacitor | 0.01 $\mu$ F 100 V | 1    |
| C924   |   | QFP82AJ-123    | "              | 0.012 $\mu$ F "    | 1    |
| C937   | ⚠ | QET41VR-477N   | E. Capacitor   | 470 $\mu$ F 35 V   | 1    |
| IC101, 201   |   | NE654N         | I.C.           |                    | 2    |
| IC102, 202   |   | NE652N         | "              |                    | 2    |
| IC901, 903, 909  |   | UPC1228H       | "              |                    | 3    |
| IC902, 904   |   | AN6551         | "              |                    | 2    |
| IC905  |   | LC4066B        | "              |                    | 1    |
| IC906, 907   | ⚠ | M5218L         | "              |                    | 2    |
| IC908  |   | AN6531         | "              |                    | 1    |
| IC501  |   | M54886P        | "              |                    | 1    |
| IC502  |   | M74LS03P       | "              |                    | 1    |
| IC503  |   | M53207P        | "              |                    | 1    |
| IC504  |   | LA2000         | "              |                    | 1    |
| Q101, 201  |   | 2SK301(R,S)    | F.E.T.         |                    | 2    |
| Q102,202,103,203,104,204,501,503,504,508,511,513,514,515,516,517,902,904,908 |   | 2SC536(G,H)SP  | Transistor     |                    | 19   |
| Q106, 206, 107, 207  |   | 2SD1302(R,S,T) | "              |                    | 4    |
| Q901, 903  |   | 2SA1048(Y,GR)  | "              |                    | 1    |
| Q906, 907  |   | 2SC1318(R,S)   | "              |                    | 2    |
| Q909   | ⚠ | 2SD882(Q,P)    | "              |                    | 1    |
| Q502, 505  |   | 2SA1175(H,F,E) | "              |                    | 2    |
| Q506   | ⚠ | 2SD571(LA,KA)  | "              |                    | 1    |
| Q507, 509, 510   | ⚠ | 2SD471(LA,KA)  | "              |                    | 3    |
| Q512   |   | 2SB605(LA,KA)  | "              |                    | 1    |
| D901-904,907,908,910,506-510,513,514,515,520,522,917,918                     |   | MA165          | Si. Diode      | or 1SS119-14TE     | 19   |
| D911   | ⚠ | RD5.1EB        | Zener Diode    |                    | 1    |
| D912-915   |   | DS135DKB3      | Si. Diode      | or 10E1-B          | 4    |
| D921   |   | SLP-155B-01V   | L.E.D.         |                    | 1    |
| D922   |   | SLP-255B-01V   | "              |                    | 1    |
| D501   |   | SLP253B-A      | "              | PLAY               | 1    |
| D502   |   | SLP253B-A      | "              | PAUSE              | 1    |
| D503   |   | SLP153B-B      | "              | REC                | 1    |
| D504   |   | SLP-255B-01V   | "              | MS                 | 1    |
| D518   |   | RD5.1FB        | Zener Diode    |                    | 1    |
| D519   |   | QWY124-016     | Bus Wire       |                    | 1    |
| D522, 523, 524   |   | MA165          | Si. Diode      |                    | 3    |
| L101, 201, 105, 205  |   | VQP0001-562    | Inductor       |                    | 4    |
| L102, 202  |   | VQZ0013-001    | Filter         |                    | 2    |
| L103, 203  |   | VQZ0016-001    | "              |                    | 2    |
| L104, 204  |   | VQP0001-183    | Inductor       |                    | 2    |
| T901   |   | VOH1009-022    | Osc. Coil      |                    | 1    |
| VR101, 201, 102, 202   |   | QVP8A0B-024    | V. Resistor    | 20 k $\Omega$      | 4    |
| VR103, 203, 107, 207   |   | " -053         | "              | 5 k $\Omega$       | 4    |
| VR105, 205   |   | QVZ6105-001V   | "              | INPUT              | 2    |
| VR106, 206   |   | QVR2F6A-014    | "              | OUTPUT             | 2    |
| VR108, 208   |   | QVZ3501-473    | "              |                    | 2    |
| VR109, 209   |   | QVP4A0B-104    | "              | 100 k $\Omega$     | 2    |
| CN901  |   | PU49218-06     | Connector      | P.B. Head          | 1    |
| CN902  |   | " -06          | "              | REC. Head          | 1    |
| CN903  |   | QMV5005-003    | "              | E. Head            | 1    |
| CN904  |   | E04365-004     | Plug Ass'y     | LED Meter          | 1    |
| CN905  |   | QMV5004-009    | Connector      | for P.W.B. Joint   | 1    |
| CN501  |   | QMV5005-010    | "              | "                  | 1    |
| CN502, 503   |   | " -003         | "              | Hall IC, Door SW   | 2    |

| Ref. No.           | ⚠ | Parts No.   | Parts Name             | Remarks | Q'ty |
|--------------------|---|-------------|------------------------|---------|------|
| S901-903           |   | VMJ5006-003 | Mic. & H.P. Jack Ass'y |         | 1    |
| S904-906           |   | VMJ3004-102 | Pin Jack Ass'y         |         | 1    |
| S508               |   | QST2351-V02 | Push SW. Ass'y         |         | 1    |
| S501-507, S511-517 |   | " -V01      | "                      | Timer   | 1    |
|                    |   | QSS2301-102 | Slide SW.              |         | 1    |
|                    |   | QSP0301-002 | Tact SW                |         | 14   |

# Other P.W. Board Parts

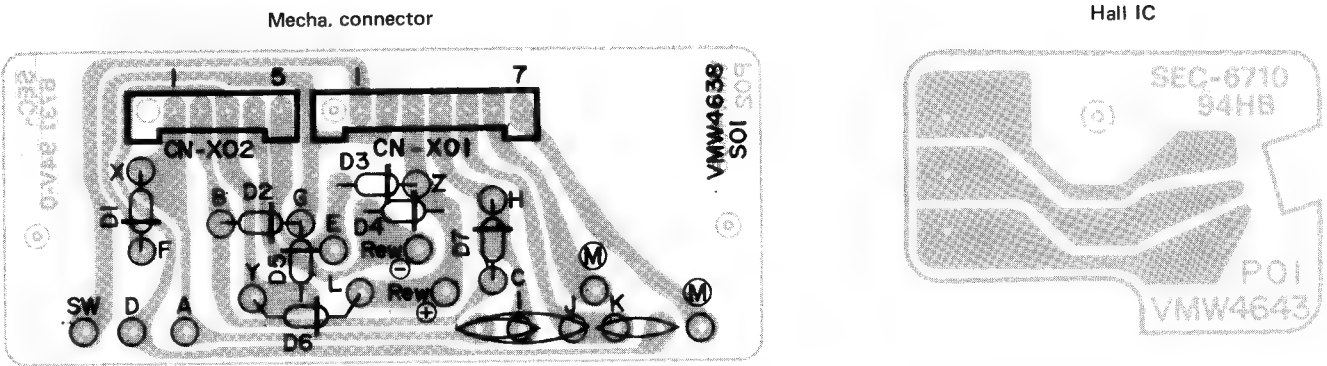


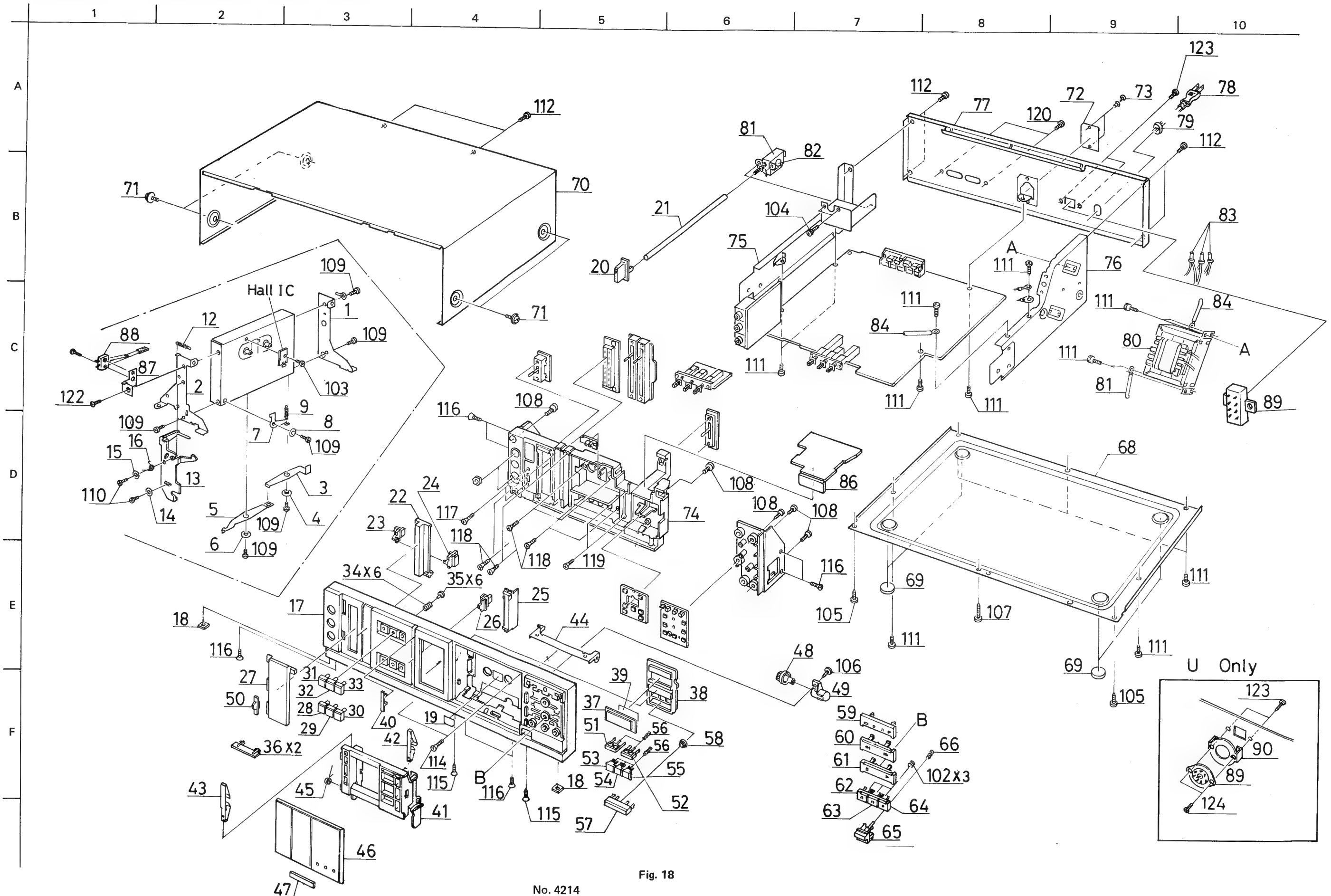
Fig. 17

# Other P.W. Board Parts List

⚠ parts are safety assurance parts.  
When replacing those parts, make sure to use the specified one.

| Ref. No.               | ⚠ | Parts No.    | Parts Name   | Remarks            | Q'ty |
|------------------------|---|--------------|--------------|--------------------|------|
| [Level Meter Ass'y]    |   | QRD161J-472  | C. Resistor  | 4.7k $\Omega$ 1/6W | 2    |
| RA, RB                 |   | QET41HR-105N | E. Capacitor | 1 $\mu$ F 50 V     | 2    |
| CA, CB                 |   | QET41ER-106N | "            | 10 $\mu$ F 25 V    | 2    |
| CC, CD                 |   | " -226N      | "            | 22 $\mu$ F "       | 1    |
| CE                     |   | LT-1062      | LED Module   |                    | 1    |
| [Hall IC P.W.B. Ass'y] |   | DN6838A      | Hall I.C.    |                    | 1    |

# Enclosure Assembly and Electrical Parts (Except P.W. Board Parts)





# Enclosure Assembly and Electrical Parts List (Except P.W. Board Parts)

| Ref. No.   | △ | Parts No.     | Parts Name           | Remarks          | Q'ty |
|------------|---|---------------|----------------------|------------------|------|
| 1          |   | VKL5274-001   | Mecha. Bracket (R)   |                  | 1    |
| 2          |   | VKL5275-001   | " (L)                |                  | 1    |
| 3          |   | VKL5270-001   | Eject Lever          |                  | 1    |
| 4          |   | VKH3001-049   | Flange Collar        |                  | 1    |
| 5          |   | VKL5271-001   | Connecting Lever     |                  | 1    |
| 6          |   | VKH3001-049   | Flange Collar        |                  | 1    |
| 7          |   | VKL5272-001   | Eject Safety Lever   |                  | 1    |
| 8          |   | VKH3001-027   | Flange Collar        |                  | 1    |
| 9          |   | VKW3002-039   | Tension Spring       |                  | 1    |
| 13         |   | VKS3161-002   | Lock Lever           |                  | 1    |
| 14         |   | VKH3001-047   | Flange Collar        |                  | 1    |
| 15         |   | " -050        | "                    |                  | 1    |
| 16         |   | VKW4343-001   | Eject Spring         |                  | 1    |
| (17~19.27) |   | ZCKDD55Y-CBF  | Front Panel ass'y    |                  | 1    |
| 37~40      |   | VJC1233-002UL | Front Panel          | KD-D55J          | 1    |
| 17         |   | VJC1233-003   | Front Panel          | KD-D55A/B/C/E/U  | 1    |
| 18         |   | TFB313563-02  | Plate Nut            |                  | 2    |
| 19         |   | VJD4005-002   | Reflection Plate     |                  | 1    |
| 20         |   | VXP4256-001   | Push Button          | for Power        | 1    |
| 21         |   | VKS4003-008   | Pipe                 |                  | 1    |
| 22         |   | VJD3354-001   | Slider               | Input            | 1    |
| 23         |   | VXS4083-002   | Slide Knob (L)       | "                | 1    |
| 24         |   | VXS4084-002   | " (R)                | "                | 1    |
| 25         |   | VJD3356-001   | Slider               | Output           | 1    |
| 26         |   | VXS4082-001   | Slider Knob          | "                | 1    |
| 27         |   | VJD4619-00A   | LED Escutcheon Ass'y |                  | 1    |
| 28         |   | VXP4255-001   | Push Button          | for NORM.        | 1    |
| 29         |   | " -002        | "                    | CrO <sub>2</sub> | 1    |
| 30         |   | " -003        | "                    | Metal            | 1    |
| 31         |   | " -004        | "                    | NR On            | 1    |
| 32         |   | " -005        | "                    | Dolby B & C      | 1    |
| 33         |   | " -006        | "                    | Monitor          | 1    |
| 34         |   | VKW3001-093   | Compression Spring   |                  | 6    |
| 35         |   | VKS4233-001   | Lock Bush            |                  | 6    |
| 36         |   | VJD4606-002   | Indicator            |                  | 2    |
| 37         |   | VJK4175-001   | Counter Lens         |                  | 1    |
| 38         |   | VJD3355-001   | FL Escutcheon        |                  | 1    |
| 39         |   | VJD4615-001   | Filter               |                  | 1    |
| 40         |   | VJD4608-001   | Plate                | Output           | 1    |
| 41         |   | VJT2074-001   | Cassette Holder      |                  | 1    |
| 42         |   | VKY4271-001   | Cassette Spring      |                  | 1    |
| 43         |   | VKY4271-002   | "                    |                  | 1    |
| 44         |   | VKL5265-001   | Bracket              |                  | 1    |
| 45         |   | VKW3006-051   | Torsion Spring       | C. Holder        | 1    |
| 46         |   | VJT3097-00A   | Lid Ass'y            |                  | 1    |
| 47         |   | VJD4607-001   | Mark                 |                  | 1    |
| 48         |   | VYH4769-001   | Gear                 |                  | 1    |
| 49         |   | VYH5033-001   | Damp Holder          |                  | 1    |
| 50         |   | VXS4085-001   | Slide Knob           | Timer            | 1    |
| 51         |   | VXP4252-001   | Push Button          | Reset            | 1    |
| 52         |   | " -002        | "                    | Memory           | 1    |
| 53         |   | VXP4253-001   | "                    | Mode             | 1    |
| 54         |   | " -002        | "                    | Tape Length      | 1    |
| 55         |   | " -003        | "                    | Scan Set         | 1    |
| 56         |   | VKW3001-063   | Compression Spring   |                  | 5    |
| 57         |   | VXP4254-001   | Push Button          | Music Scan       | 1    |
| 58         |   | VKW4346-001   | Compression Spring   |                  | 1    |
| 59         |   | VJD4605-001   | Indicator Cover      |                  | 1    |
| 60         |   | VXP4249-001   | Push Button          | FF, REW          | 1    |
| 61         |   | " -002        | "                    | Play, Stop       | 1    |
| 62         |   | VXP4250-001   | "                    | Rec.             | 1    |
| 63         |   | VXP4260-001   | "                    | Pause            | 1    |
| 64         |   | VXP4261-001   | Push Button          | Rec. Mute        | 1    |
| 65         |   | VXP4251-00A   | Push Button Ass'y    | Eject            | 1    |
| 66         |   | VKW3001-028   | Compression Spring   | "                | 1    |
| 67         |   | VJC3022-001   | Front Chassis (R)    |                  | 1    |
| 68         |   | VKL1219-001   | Bottom Cover         |                  | 1    |

| Ref. No. | △ | Parts No.     | Parts Name            | Remarks   | Q'ty |
|----------|---|---------------|-----------------------|---|------|
| 69       |   | VJF4003-002   | Foot                  |   | 4    |
| 70       |   | VJC1235-001   | Top Cover             |   | 1    |
| 71       |   | VKZ3001-002   | Special Screw         |   | 4    |
| 72       |   | VYN2103-002   | Name Plate            | KD-D55B   | 1    |
|          |   | " -003        | "                     | KD-D55A   | 1    |
|          |   | " -004        | "                     | KD-D55C   | 1    |
|          |   | " -005        | "                     | KD-D55E   | 1    |
|          |   | " -006        | "                     | KD-D55J   | 1    |
|          |   | " -007        | "                     | KD-D55U   | 1    |
| 73       |   | E48729-002    | Plastic Rivet         |   | 2    |
| 74       |   | VJC1234-001   | Front Chassis         | KD-D55A/B/C/E/U   | 1    |
|          |   | " -002UL      | "                     | KD-D55J   | 1    |
| 75       |   | VKL3396-001   | Amp. Chassis          | Left  | 1    |
| 76       |   | VKL3400-001   | "                     | Right   | 1    |
| 77       |   | VJC2083-002   | Rear Panel            | KD-D55A/B/E/U   | 1    |
| 77       |   | VJC2083-001   | Rear Panel            | KD-D55C/J   | 1    |
| 78       | △ | QMP2560-200   | Power Cord            | KD-D55A   | 1    |
|          | △ | QMP9017-008BS | "                     | KD-D55B   | 1    |
|          | △ | QMP1200-200   | "                     | KD-D55C/J   | 1    |
|          | △ | QMP3900-200   | "                     | KD-D55E   | 1    |
|          | △ | QMP7600-200   | "                     | KD-D55U   | 1    |
| 79       | △ | QHS3876-162BS | S.R. Bushing          | KD-D55B   | 1    |
| 80       | △ | VPT54C5-051B  | Power Transformer     | KD-D55A/E   | 1    |
|          | △ | " -051BBS     | "                     | KD-D55B   | 1    |
|          | △ | VTP54A5-041B  | "                     | KD-D55C/J   | 1    |
|          | △ | VTP54U5-041B  | "                     | KD-D55U   | 1    |
| 81       | △ | QSP1110-305   | Push Switch (Power)   | KD-D55A/E   | 1    |
|          | △ | " -305BS      | "                     | KD-D55B   | 1    |
|          | △ | " -308        | "                     | KD-D55C/J   | 1    |
|          | △ | " -306        | "                     | KD-D55U   | 1    |
| 82       | △ | QFZ9010-103   | M.P. Capacitor        | KD-D55A/B/E   | 1    |
|          | △ | QCZ9014-103   | "                     | KD-D55C/J   | 1    |
|          | △ | QCZ9015-103   | "                     | KD-D55U   | 1    |
| 83       |   | TAW000504-01  | Connector             | KD-D55J   | 1    |
| 84       |   | VKZ4001-011   | Wire Holder           |   | 3    |
| 85       |   | QHX2075-001   | Wire Clamp            |   | 10   |
| 86       |   | FL4142-01     | Counter Ass'y         |   | 1    |
| 87       |   | VKL5307-001   | Switch Bracket        |   | 1    |
| 88       |   | VSH1104-001   | Leaf Switch           | MSW-0075  | 1    |
| 89       | △ | QSS2325-203BS | Voltage Select Switch | KD-D55B   | 1    |
|          | △ | " -203        | "                     | KD-D55A/E   | 1    |
| 90       | △ | QSR0084-001   | "                     | KD-D55U   | 1    |
| 91       | △ | VKL4275-001   | Bracket               | "   | 1    |
| 92       | △ | TAW000331-02  | Fuse Holder           | "   | 2    |
| 92       | △ | QMF51SI-R25   | Fuse                  | "   | 1    |
| 101      |   | WBS3000       | Washer                | Earth   | 2    |
| 102      |   | VKW3001-049   | Compression Spring    |   | 3    |
| 103      |   | SDST3004Z     | Screw                 | Hall IC   | 1    |
| 104      |   | LPSP3006Z     | "                     |   | 2    |
| 105      |   | SBSB3008R     | "                     | Bottom Cover  | 2    |
| 106      |   | SDSF3010Z     | "                     | Damp Holder   | 1    |
| 107      |   | SDSF3012R     | "                     | Bottom Cover  | 1    |
| 108      |   | SDSF3012Z     | "                     | F. Plate — F. Cabi.(R) x 3, F. Plate — F. Cabi. x 3   | 6    |
| 109      |   | SDST2605Z     | "                     | Mecha. Bracket(R) x 2, Mecha. Bracket(L) x 2, Eject Lever x 1, Connecting Lever x 1, Eject Safety Lever x 1 | 7    |
| 110      |   | SDST2610Z     | Screw                 | Lock Lever  | 2    |
| 111      |   | SDST3006Z     | "                     | Bottom Cover x 5, Power Trans. x 4, Wire Holder x 1, P.W.B. x 3   | 13   |
| 112      |   | SDST3006R     | "                     | Rear Panel x 5, Top Cover x 2   | 7    |
| 113      |   | SDST2606Z     | "                     | Switch Bracket  | 1    |
| 114      |   | SSST3006R     | "                     |   | 2    |
| 115      |   | SSST3006Z     | "                     | A. Chassis(R) — F. Cabi.(R) x 2   | 4    |
| 116      |   | SSST3008Z     | "                     | Cassette Holder x 2, Amp. Chassis x 2   | 4    |
| 117      |   | SSSP2606Z     | "                     | Timer Switch  | 2    |
| 118      |   | SSSP3006Z     | "                     | Input Vol. x 4, S901 x 2, S904 x 2  | 8    |
| 119      |   | SSSP2004Z     | "                     | Output Volume   | 2    |
| 120      |   | SDSF3008R     | "                     | Pin Jack  | 2    |
| 121      |   | SSSF3010Z     | "                     | F. Plate — F. Cabinet   | 1    |
| 122      |   | SPSP2008Z     | "                     | Switch Bracket  | 1    |
| 123      |   | SDSP3006R     | "                     | Voltage Select SW. KD-D55A/B/E/U  | 2    |
| 124      |   | LPSP3006Z     | "                     | " KD-D55U   | 2    |

## Mechanical Component Parts

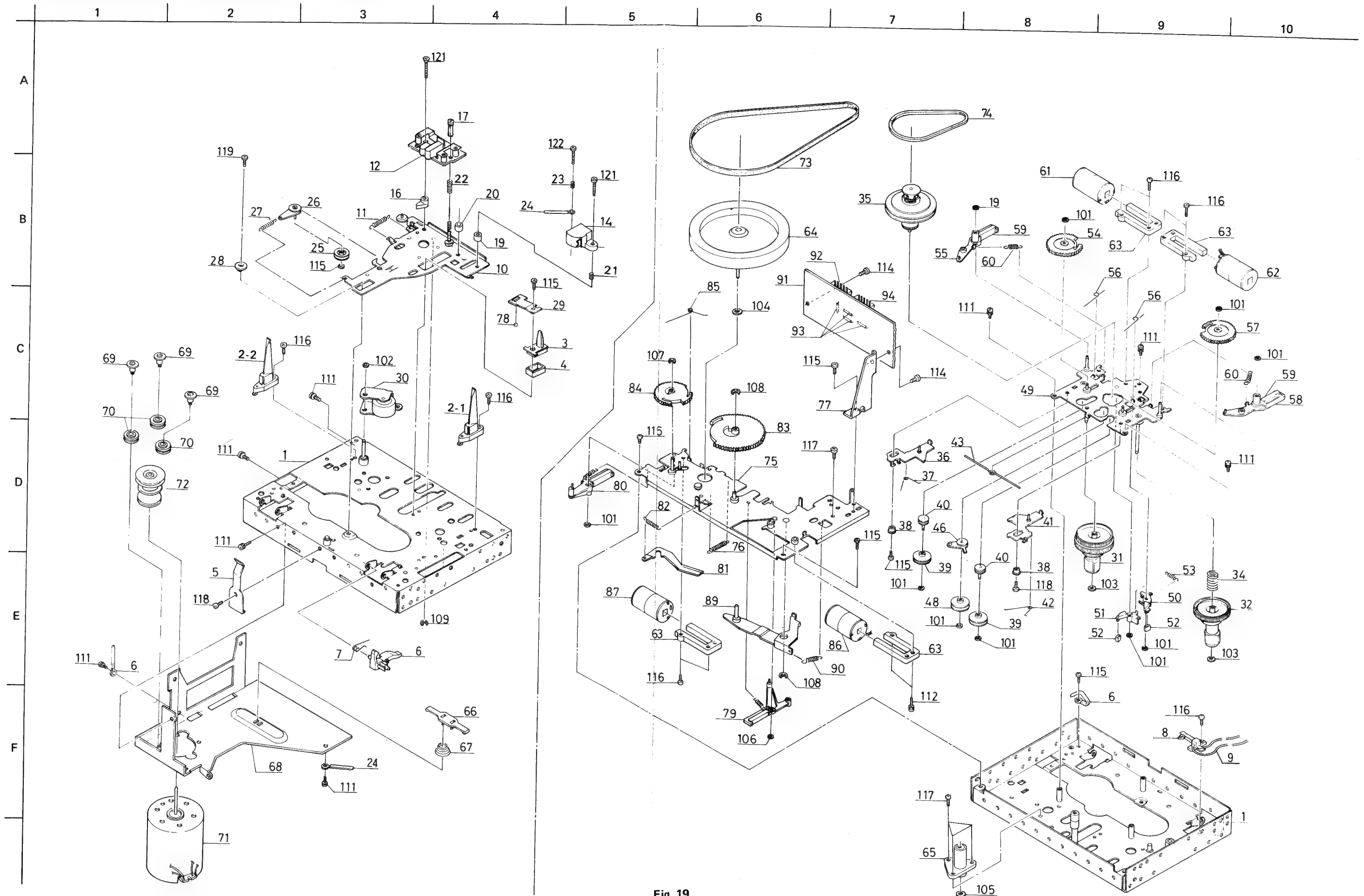


Fig. 19



# Mechanical Component Parts List

| Ref. No. | Parts No.     | Parts Name               | Remarks     | Q'ty |
|----------|---------------|--------------------------|-------------|------|
| 1        | 171001504T    | Chassis Ass'y            |             | 1    |
| 2-1      | 17150105T     | Cassette Guide           |             | 1    |
| 2-2      | 17150106T     | "                        |             | 1    |
| 3        | 17100109T     | Guide Pin                |             | 1    |
| 4        | 17100110T     | Guide Pin Cushion        |             | 1    |
| 5        | 17150102T     | Pack Spring              |             | 1    |
| 6        | 17100201T     | Rec. Safety Lever        |             | 1    |
| 7        | 17100219T     | Rec. Safety Lever Spring |             | 1    |
| 8        | 64010142      | Leaf Switch              |             | 1    |
| 9        | 66003503T     | Wire                     |             | 1    |
| 10       | 171003504AZT  | Head Panel Ass'y         |             | 1    |
| 11       | 17100306T     | Pressure Spring          |             | 1    |
| 12       | ZCKDD55Y-HEAD | Head Ass'y               |             | 1    |
| 14       | VGH0212-103   | Erase Head               |             | 1    |
| 16       | VKS4494-001   | Head Collar              |             | 1    |
| 17       | VKH4411-001   | Azimuth Screw            |             | 1    |
| 19       | 17100315T     | E. Head Collar           |             | 1    |
| 20       | 17100317T     | Azimuth Stud             | for E. Head | 1    |
| 21       | 09400312T     | Head Spring              |             | 1    |
| 22       | VKW3001-094   | Compression Spring       |             | 1    |
| 23       | 14400315T     | Head Spring              | for E. Head | 1    |
| 24       | 11030405T     | Cord Clamp               |             | 2    |
| 25       | 171003301ZT   | Take-up Idler Ass'y      |             | 1    |
| 26       | 171003302ZT   | Idler Shaft Ass'y        |             | 1    |
| 27       | 17100316T     | Take-up Roller Spring    |             | 1    |
| 28       | 17100319T     | Head Panel Collar        |             | 1    |
| 29       | 17100322T     | Panel Pressure Plate     |             | 1    |
| 30       | 171004302ZT   | Pinch Roller Ass'y       |             | 1    |
| 31       | 171009303ZT   | Take-up Reel Ass'y       |             | 1    |
| 32       | 171009306ZT   | Supply Reel Ass'y        |             | 1    |
| 33       | 17100915T     | Back Tension Base        |             | 1    |
| 34       |               | Back Tension Spring      |             | 1    |
| 35       | 171010302ZT   | RF Clutch Ass'y          |             | 1    |
| 36       | 171011501ZT   | FF Drive Base Ass'y      |             | 1    |
| 37       | 17101106T     | FF Drive Spring          |             | 1    |
| 38       | 17101116T     | Collar                   |             | 2    |
| 39       | 171011301ZT   | Idler Ass'y              |             | 2    |
| 40       | 171011302ZT   | Idler Shaft Ass'y        |             | 2    |
| 41       | 171011502ZT   | Rew. Drive Base Ass'y    |             | 1    |
| 42       | 17101110T     | Rew. Drive Spring        |             | 1    |
| 43       | 17101112T     | Return Spring            |             | 1    |
| 46       | 171011303ZT   | Idler Arm Ass'y          |             | 1    |
| 48       | 171011307ZT   | Idler Ass'y              |             | 1    |
| 49       | 171008502ZT   | Reel Base Ass'y          |             | 1    |
| 50       | 17101701T     | Brake Arm                | Left        | 1    |
| 51       | 17101702T     | "                        | Right       | 1    |
| 52       | 17101703T     | Brake Shoe               |             | 2    |
| 53       | 15100928T     | Auto Lever Spring        |             | 1    |
| 54       | 17101201T     | FF Gear                  |             | 1    |
| 55       | 17101202T     | FF Trigger Arm           |             | 1    |
| 56       | 17101203T     | RF Gear Spring           |             | 2    |
| 57       | 17101204T     | Rew. Gear                |             | 1    |
| 58       | 17101205T     | Rew. Trigger Arm         |             | 1    |
| 59       | 17101607T     | Armature                 |             | 2    |
| 60       | 15590306T     | E. Head Base Spring      |             | 2    |
| 61       | 171012301ZT   | Coil Ass'y               | (Solenoid)  | 1    |
| 62       | 171012302ZT   | "                        | (Solenoid)  | 1    |
| 63       | 17101601T     | Yoke                     | (Solenoid)  | 4    |
| 64       | 171005303ZT   | Flywheel Capstan Ass'y   |             | 1    |
| 65       | 17100502T     | Flywheel Metal           |             | 1    |
| 66       | 17100504T     | Thrust Bearing           |             | 1    |

| Ref. No. | Parts No.     | Parts Name              | Remarks   | Q'ty |
|----------|---------------|-------------------------|---|------|
| 67       | 17100509T     | Dumper Spring           |   | 1    |
| 68       | 17100510T     | Flywheel Bracket        |   | 1    |
| 69       | 12001201T     | Collar Screw            |   | 3    |
| 70       | 5880910T      | Motor Rubber            |   | 3    |
| 71       | △ BFA2L72     | Capstan Motor           |   | 1    |
| 72       | 17100608T     | Motor Pulley            |   | 1    |
| 73       | VKB3001-016   | Main Belt               |   | 1    |
| 74       | VKB3000-057   | RF Belt                 |   | 1    |
| 75       | 171013503ZT   | Lift Base Ass'y         |   | 1    |
| 76       | 17000622T     | RF Clutch Arm Spring    | for Pause Arm   | 1    |
| 77       | 11030405T     | Cord Clamp              |   | 1    |
| 78       | 17100325T     | Stopper                 |   | 1    |
| 79       | 171014305ZT   | Play Trigger Arm Ass'y  |   | 1    |
| 80       | 171014306ZT   | Pause Trigger Arm Ass'y |   | 1    |
| 81       | 17101408T     | M. Return Arm           |   | 1    |
| 82       | 17101412T     | Spring                  |   | 1    |
| 83       | 17101401T     | M. Gear                 |   | 1    |
| 84       | 17101409T     | P. Gear                 |   | 1    |
| 85       | 17101406T     | P. Gear Spring          |   | 1    |
| 86       | △ 171014301ZT | Coil Ass'y              | (Solenoid)  | 1    |
| 87       | △ 171014302ZT | "                       | (Solenoid)  | 1    |
| 89       | 171015501ZT   | Lift Arm Ass'y          |   | 1    |
| 90       | 17101504T     | Arm Spring              |   | 1    |
| 91       | VMW4638-003   | P.W. Board              |   | 1    |
| 92       | VMC0007-006   | Connector               |   | 1    |
| 93       | △ DS442       | Si. Diode               | for Coil ass'y (Solenoid)   | 4    |
| 94       | VMC0007-005   | Connector               |   | 1    |
| 101      | 94200000T     | Washer                  | Idler Shaft Ass'y x 1, Idler Ass'y x 3, Reel Base x 2,<br>Gear x 4, Pause Trigger Arm Ass'y x 1 | 11   |
| 102      | 97320000T     | "                       | Pinch Roller Ass'y  | 1    |
| 103      | 94190000T     | "                       | Take-up Reel Ass'y  | 1    |
| 104      | 93760000T     | "                       | Thrust  | 1    |
| 105      | Q03093-522    | "                       | Oil Cut   | 1    |
| 106      | VKZ4004-004   | "                       | Play Trigger Arm Ass'y  | 1    |
| 107      | REE1500       | E-Ring                  | P. Gear   | 1    |
| 108      | REE2000       | "                       | M. Gear   | 1    |
| 109      | REE3000       | "                       | Panel Guide   | 1    |
| 111      | LPSP2004Z     | Screw                   | Reel Base x 3, Motor Pulley x 4, Lift Base x 1  | 8    |
| 112      | LPSP2606Z     | "                       | Coil Ass'y  | 2    |
| 114      | SPSP2604Z     | "                       | P.W. Board  | 2    |
| 115      | SPST2004Z     | Tapping Screw           | Guide Pin x 1, Idler Ass'y x 2, Cord Clamp x 1,<br>Lift Base x 2                                | 6    |
| 116      | SPST2005Z     | "                       | Leaf Switch x 1, Coil Ass'y x 6   | 7    |
| 117      | SPST2006Z     | "                       | Cassette Guide x 2, Panel Pressure Plate x 1,<br>Flywheel Metal x 3                             | 6    |
| 118      | SPST2604Z     | "                       | Back Spring   | 1    |
| 119      | SPST2605Z     | "                       | Head Panel Collar   | 1    |
| 121      | SPSX2010N     | "                       |   | 2    |
| 122      | SPSX2014N     | "                       | Erase Head  | 1    |
| 123      | SSSP2003N     | "                       | Stopper   | 1    |

# Packing

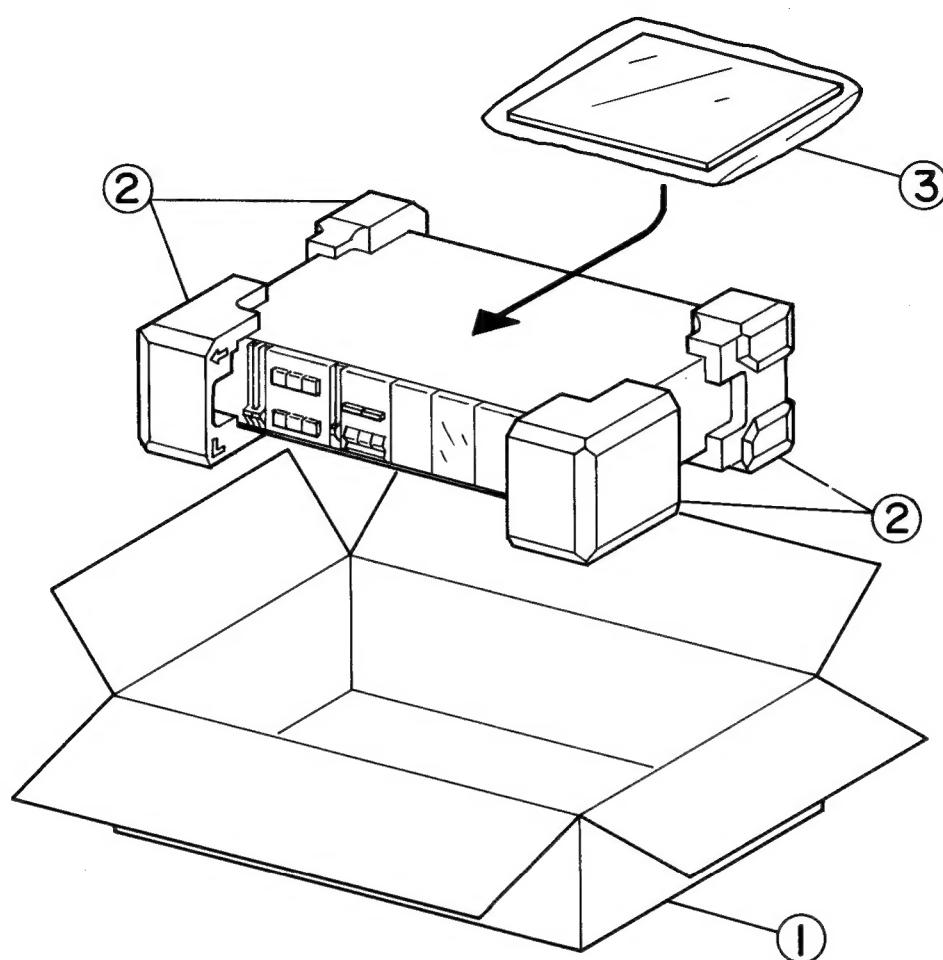


Fig. 20

## Packing Material Parts List

| Ref. No. | Parts No.     | Parts Name  | Remarks                              | Q'ty |
|----------|---------------|-------------|--------------------------------------|------|
| 1        | VPD2103-J01   | Carton      | KD-D55A                              | 1    |
|          | " -J02        | "           | KD-D55B                              | 1    |
|          | " -J03        | "           | KD-D55C                              | 1    |
|          | " -J04        | "           | KD-D55E                              | 1    |
|          | " -J05        | "           | KD-D55J                              | 1    |
|          | " -J06        | "           | KD-D55U                              | 1    |
| 2        | VPH3136-001   | Cushion (L) |                                      | 1    |
|          | VPH3137-001   | " (R)       |                                      | 1    |
|          | Q04141H       | Wire Clamp  | for Power Cord                       | 1    |
|          | TKS000501-08  | Sheet       | for Unit                             | 1    |
|          | VPE4002-005   | Poly Bag    | for Unit KD-D55B                     | 1    |
| 4        | QPGA060-06005 | Envelope    | for Unit KD-D55A/C/E/J/U             | 1    |
|          | AP4056A-36    | Poly Bag    | for Pin Cord                         | 1    |
|          | VPE4002-004   | "           | for Instruction Book KD-D55B         | 1    |
|          | AP4056B-077   | Envelope    | for Instruction Book KD-D55A/C/E/J/U | 1    |
|          |               |             |                                      |      |

# Accessories

⚠ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

| Parts No.     | ⚠ | Parts Name           | Remarks       | Q'ty |
|---------------|---|----------------------|---------------|------|
| VMP0002-00B   |   | Pin Cord             |               | 2    |
| VNN0103-901   |   | Instruction Book     | KD-D55A/C/J/U | 1    |
| " -301        |   | "                    | KD-D55B/E     | 1    |
| BT20013C      |   | Guaranty Certificate | KD-D55B       | 1    |
| BT20029B      |   | Warranty Card        | KD-D55A       | 1    |
| BT20025E      |   | "                    | KD-D55C       | 1    |
| BT20047       |   | "                    | KD-D55J/U     | 1    |
| TJL000443-01  |   | Seal                 | KD-D55B       | 1    |
|               |   | BEAB Label           | KD-D55B       | 1    |
| VNC5004-001   |   | Mark Sticker         | KD-D55B/E     | 1    |
| TLT052401-01  |   | Warning Label        | KD-D55A/E     | 1    |
| QZL1002-003BS |   | "                    | KD-D55B       | 1    |
| T44362-001    |   | CSA Marker           | KD-D55C       | 1    |
| E66416-003    |   | Envelope             | KD-D55J       | 1    |
| BT20046A      |   | Special Reply Card   | KD-D55U       | 1    |
| BT20046       |   | "                    | KD-D55J       | 1    |
| BT20044B      |   | Safety Instruction   | KD-D55J       | 1    |
| TLT000505-01  |   | UL/CSA Caution Label | KD-D55C/J     | 2    |
| E7795-1       |   | EP Mark              | KD-D55U       | 1    |
| VNC5311-101   |   | Caution Card         | KD-D55U       | 1    |
| V04062-001    | ⚠ | Siemens Plug         | KD-D55U       | 1    |
| T46328-001    |   | Caution Label        | KD-D55U       | 1    |
| VND4037-001   |   | F. Mark Label        | KD-D55E       | 1    |
| VND4013-001   |   | Warning Label        | KD-D55B/A/E   | 1    |
| BT20057       |   | Warranty Card        | KD-D55E       | 1    |

# JVC

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Printed in Japan  
-5705-S-